

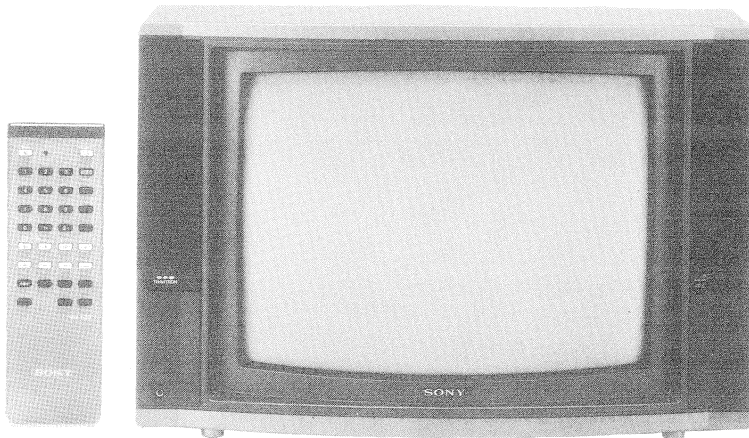
KV-2264EC

RM-635

SERVICE MANUAL

AEP Model

Chassis No. SCC-699A-A



November, 1985

RX

 CHASSIS

SPECIFICATIONS

| | |
|--------------------|---|
| Television system | CCIR TV standards (system B,G and H) |
| Colour system | PAL |
| Zweiton system | Two carrier system |
| Channel coverage | VHF channels E2-S20 UHF channels E21-E68 |
| Programming system | 30 programmes Automatic programming digital tuning |
| Picture tube | Approx. 56 cm (22 inches), Approx. 53.8 cm screen measured diagonally 114-degree deflection Trinitron system |
| Aerial | 75-ohm standard aerial socket (DIN 45325/IEC 169-2) |
| Audio output | 10 W + 10 W (music power) |
| Input/output | 21-pin connector in accordance with the requirements of CENELEC standard |
| Outputs | Audio output connector (5-pin DIN) Recording output: 1 mV rms/kilohm Line output: variable, 0-2 V rms (max.) impedance less than 1 kilohm External speaker terminals (2-pin DIN) For 8 to 16 ohm speakers Headphones jack (stereo phone jack) |
| Power requirements | 220-240 V ac, 50 Hz |
| Power consumption | 110W |
| Dimensions | Approx. 692 x 462 x 408 mm (w/h/d) |
| Weight | Approx. 30kg |
| Accessory supplied | Remote Commander RM-635 |
| Optional accessory | OPK-202 SECAM adaptor OPK-203 teletext adaptor |

RM-635

| | |
|-----------------------|--|
| Remote control system | Infrared control |
| Power requirements | 3 V dc 2 batteries IEC designation R03 (size AAA) |
| Dimensions | Approx. 54 x 16 x 165 mm (w/h/d) |
| Weight | Approx. 100 g incl. batteries |
| Accessories supplied | IEC designation R03 battery (2) |

Design and specifications are subject to change without notice.

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TRINITRON® COLOR TV


SONY®

CTV

TABLE OF CONTENTS

| <u>Section</u> | <u>Title</u> | <u>Page</u> |
|------------------------------------|---|-------------|
| 1. GENERAL | | |
| 1-1. | Location and Function of Controls | 3 |
| 2. DISASSEMBLY | | |
| 2-1. | OPK-202 Attaching | 5 |
| 2-2. | OPK-203 Attaching | 6 |
| 3. EXPLODED VIEWS | | |
| 3-1. | Cabinet | 7 |
| 3-2. | CRT | 8 |
| 3-3. | Chassis | 9 |
| 4. ELECTRICAL PARTS LIST | | 10 |
| 5. REMOTE COMMANDER | | |
| 5-1. | Remote TV Operation | 24 |
| 5-2. | Exploded View | 27 |
| 5-3. | Electrical Parts List | 28 |

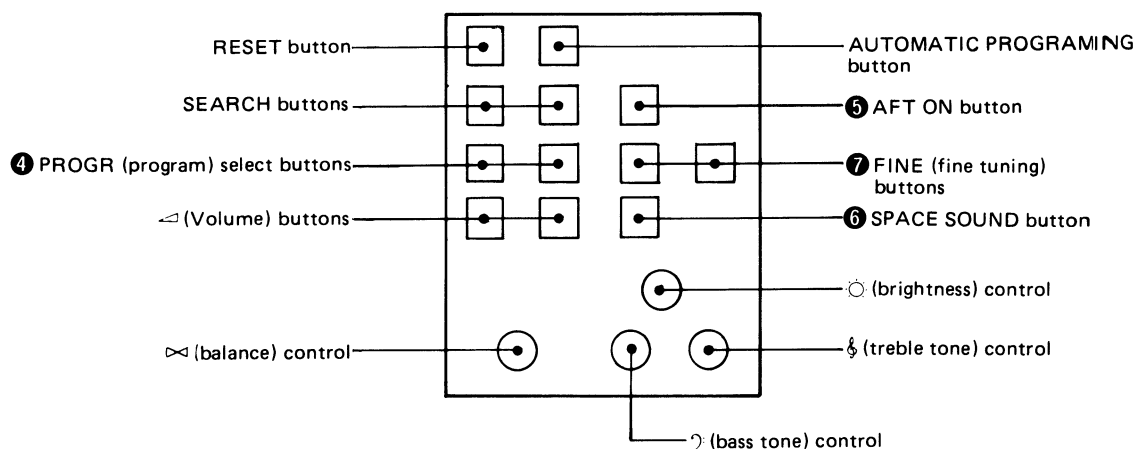
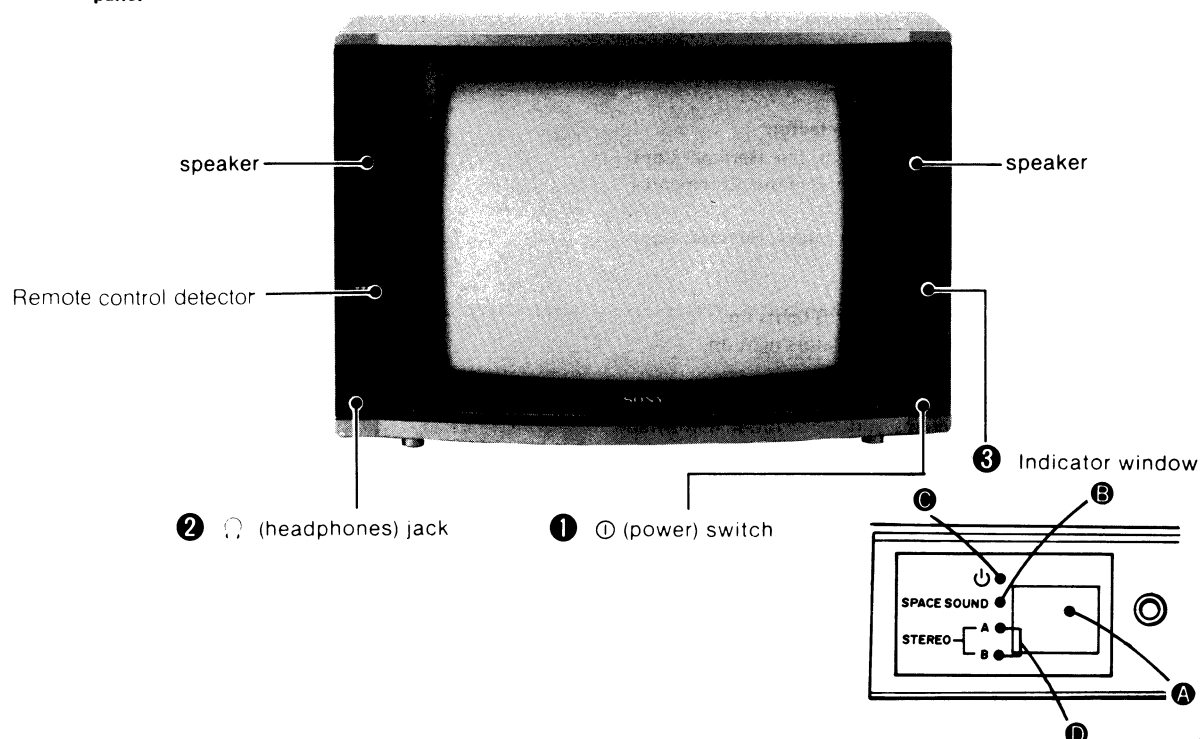
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

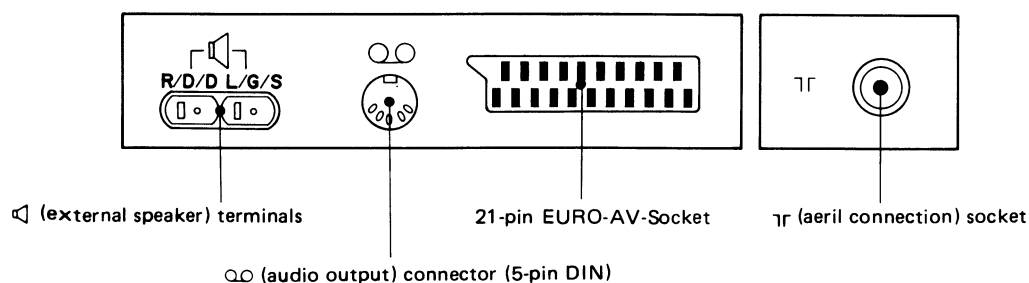
SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



On the rear panel



① ① (power) switch

Press to turn the TV on. Press again to turn the power off.

② ② (headphones) jack

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug use an optional plug adaptor. To hear the sound from the speakers disconnect the headphones.

③ Indicator window

A Program indicator

B SPACE SOUND indicator

C ③ (standby) indicator and Remote control detector

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed this lamp blinks.

Point the infrared transmitter of the supplied Remote Commander here.

D Zweiton/STEREO indicators

When a dual-sound program is received, A or B lights up.

When a stereo program is received both indicators light up.

④ PROGR (program) select buttons

Press either + or — to select a preset program (from positions 1 through 30). Press + for higher numbered programs and — for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

⑤ AFT (automatic fine tuning) ON button

When the AFT circuit activates the indicator illuminates.

Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programing is finished, or after a station is tuned and memorized in the manual programing system the AFT circuit will automatically reactivate.

⑥ SPACE SOUND button

Press to get special acoustic effects (for example more presence). The SPACE SOUND indicator will illuminate. To disengage press it again.

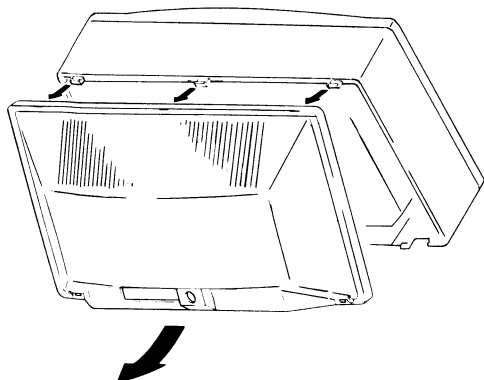
⑦ FINE (fine tuning) buttons

Keep either + or — depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.

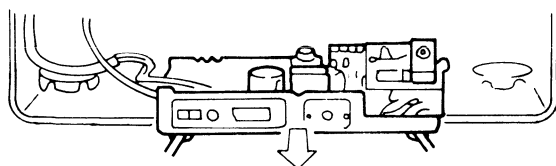
SECTION 2 DISASSEMBLY

2-1. OPK-202 ATTACHING

- 1 Remove the rear panel.

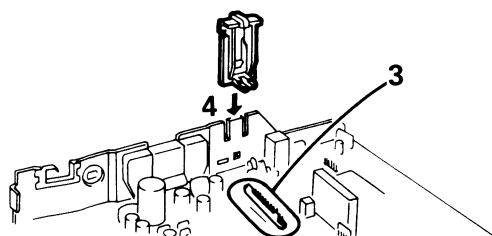


- 2 Pull out the main D board.

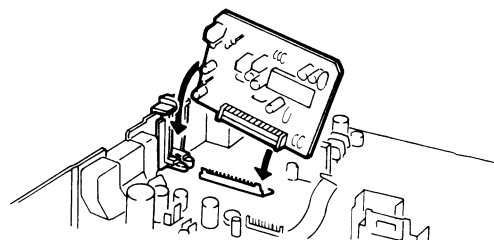


- 3 Cut off the five soldered connections marked SCM on the D-board:
JW 158, 169, 170, 171 and 172.

- 4 Insert the larger holder into the lefthand side frame.



- 5 Insert the adaptor into the D-20 board aligning the righthand pins first, and slide into the slot of the holder.



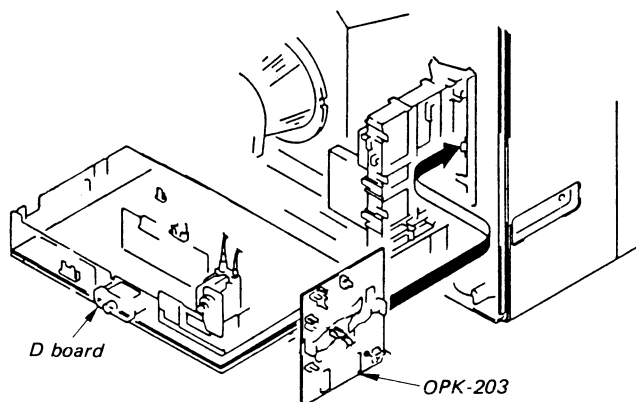
- 6 Connect the power plug, and check that the SECAM program is displayed in color.

7. Disconnect the power plug again and attach the rear panel.

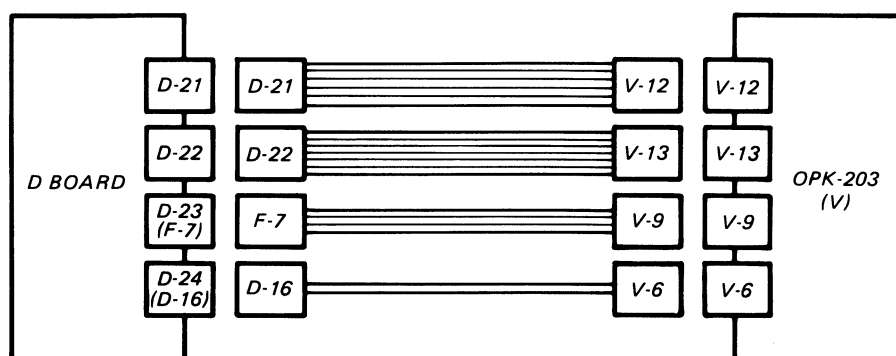
2-2. OPK-203 ATTACHING

Before installing the adaptor, unplug the set from the wall outlet.

1. Remove the rear panel.
2. Pull out the main D board.
3. Attach the OPK-203 board on the set in the reserved position using the holder or sash provided.



4. Connect to the reserve terminals as the connector.



5. Cut out the D004 of the D board.
6. PICTURE ADJUSTMENT
 - RV3: Adjust this VR to give the optimum contrast on TXT display.
 - RV2: Adjust this VR to obtain stable picture on non-interlace models.
7. Attach the rear panel.


SECTION 3

EXPLODED VIEWS

NOTE:

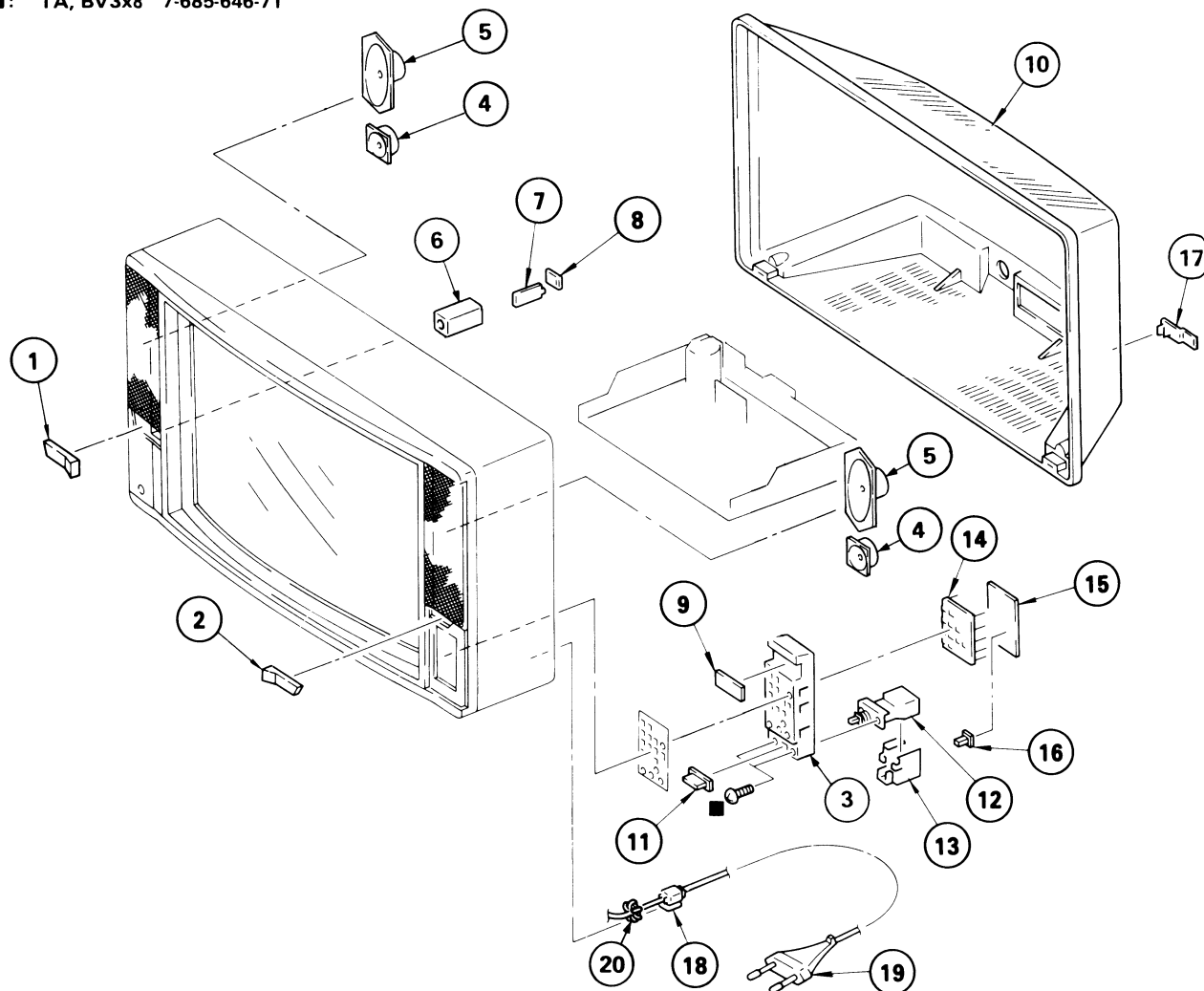
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.




The components identified by shading and mark  are critical for safety. Replace only with part number specified.

3-1. CABINET

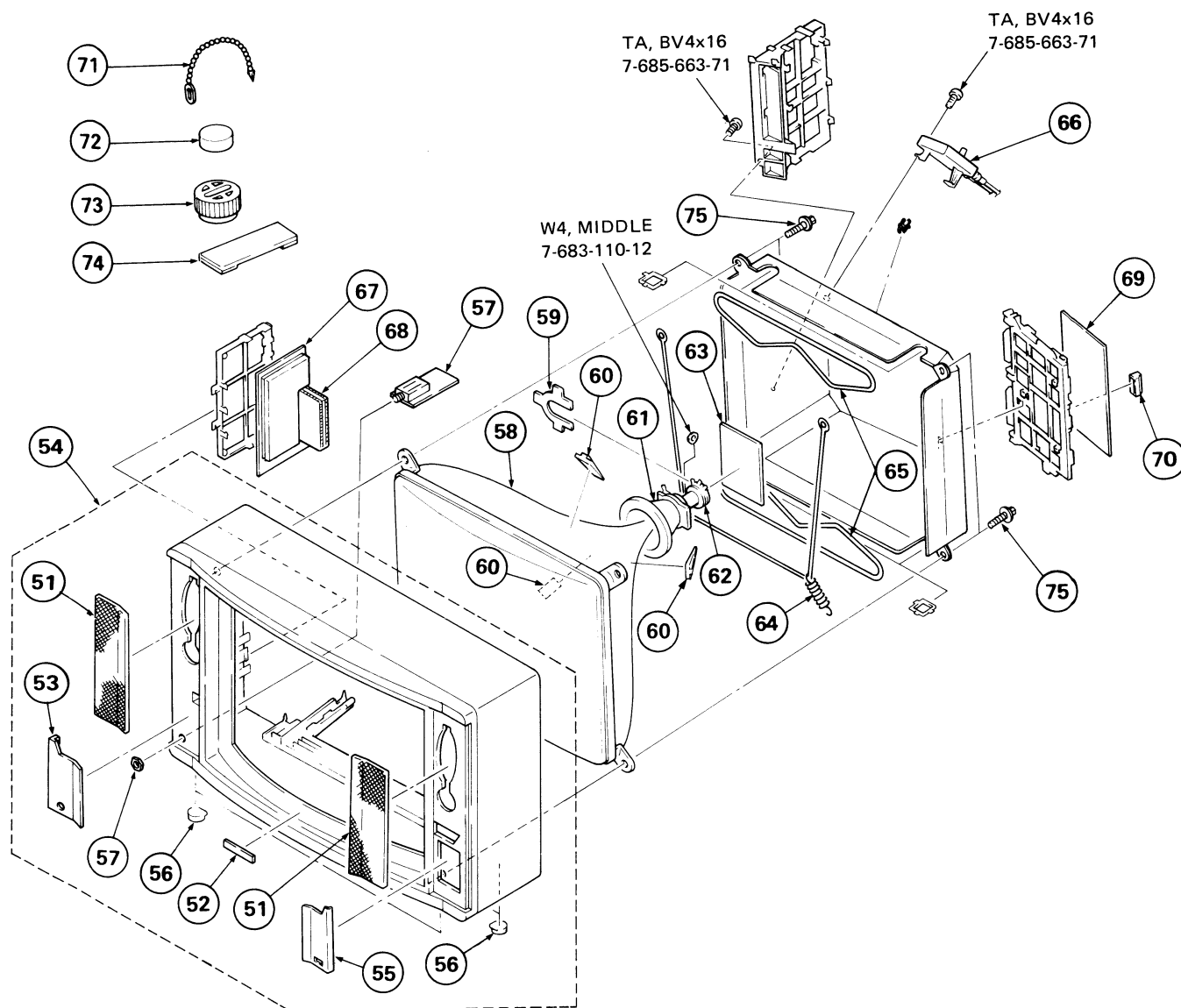
■: TA, BV3x8 7-685-646-71



| No. | Part No. | Description |
|-----|---------------|-----------------------------|
| 1 | X-4373-201-1 | WINDOW (L) ASSY, ORNAMENTAL |
| 2 | 4-373-223-01 | WINDOW (RIGHT), ORNAMENTAL |
| 3 | *4-373-232-01 | PANEL, CONTROL |
| 4 | 1-503-314-11 | SPEAKER (TWEETER) |
| 5 | 1-503-417-11 | SPEAKER (WOOFER) |
| 6 | *4-342-117-00 | CASE, SHIELD (MAIN), R |
| 7 | *1-611-717-11 | N BOARD |
| 8 | *4-342-118-00 | LID, SHIELD CASE, R |
| 9 | *1-612-977-21 | H2 BOARD |
| 10 | 4-373-272-01 | COVER, REAR |

| Remark | No. | Part No. | Description | Remark |
|--------|-----|--|--------------------------------|--------|
| | 11 | 4-373-206-01 | BUTTON, POWER | |
| | 12 |  1-554-762-11 | SWITCH, PUSH (AC POWER)(1 KEY) | |
| | 13 | *4-373-216-01 | CAP, INSULATING, POWER SWITCH | |
| | 14 | 4-373-213-01 | BUTTON, MULTI | |
| | 15 | *1-612-976-21 | H1 BOARD | |
| | 16 | 4-361-938-00 | PUSH BUTTON (A) | |
| | 17 | 4-329-127-00 | CLAMP, CORD | |
| | 18 |  4-022-115-01 | HOLDER, AC CORD | |
| | 19 |  1-551-270-31 | CORD, POWER | |
| | 20 | 1-543-179-00 | CORE, RING | |

3-2. CRT

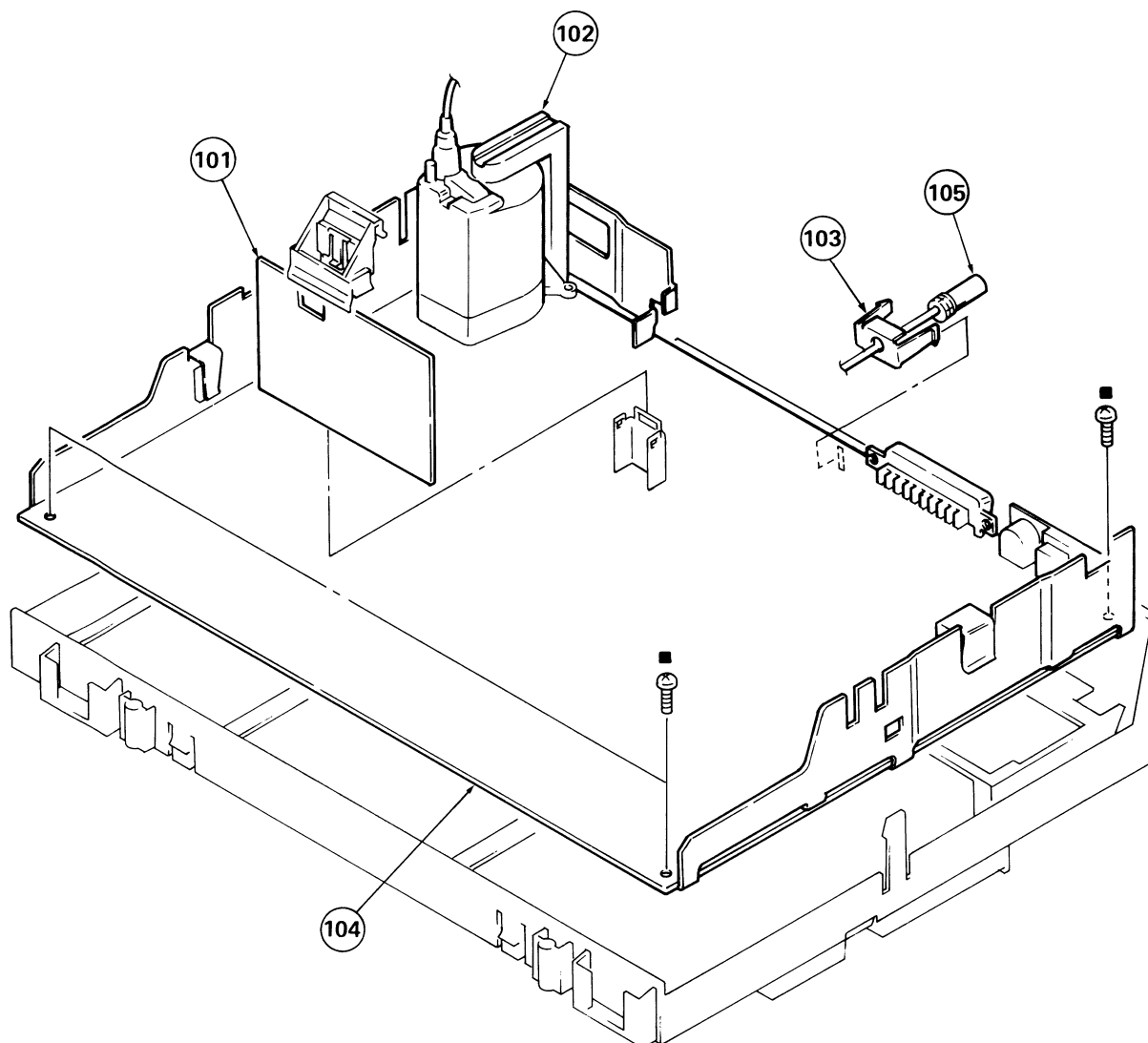


| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|---------------|--------------------------|----------------|-----|---------------|--------------------------------|--------|
| 51 | 4-373-269-01 | PLATE, ORNAMENTAL | | 64 | 4-303-774-XX | SPRING | |
| 52 | 4-374-115-01 | EMBLEM, SONY | | 65 | ▲1-426-042-42 | COIL, DEGAUSSING | |
| 53 | 4-373-222-01 | DOOR (LEFT) | | 66 | ▲1-226-733-13 | RESISTOR ASSY, HIGH-VOLTAGE | |
| 54 | X-4373-205-1 | CABINET ASSY | | 67 | *A-1296-105-A | A BOARD, SUB, COMPLETE | |
| 55 | 4-373-221-01 | DOOR (RIGHT) | 51,52,53,55,56 | 68 | ▲1-463-523-11 | TUNER, ET (UHF/VHF) (UV417) | |
| 56 | 4-310-333-00 | CUSHION, FOOT | | 69 | *A-1245-313-A | F BOARD, SUB, COMPLETE | |
| 57 | *1-614-116-11 | J1 BOARD | | 70 | *4-375-709-01 | COVER, FUSE | |
| 58 | ▲8-737-451-05 | CRT (A53JBW02X) | | 71 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 59 | 1-452-146-21 | MAGNET, BMC | | 72 | 1-452-032-00 | MAGNET, DISK; 10MM Ø | |
| 60 | 3-703-003-00 | SPACER, DY | | 73 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM Ø | |
| 61 | ▲1-451-242-31 | DEFLECTION YOKE (SY-88S) | | 74 | X-4309-608-0 | PERMALLOY ASSY, CONVERGENCE | |
| 62 | ▲1-452-316-11 | CRT NECK ASSY (NA291) | | 75 | 4-373-263-01 | SCREW, PT | |
| 63 | *A-1330-626-A | C BOARD, COMPLETE | | | | | |

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

3-3. CHASSIS

■: TA, BV3x8 7-685-646-71



| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|---------------|---------------------------|--------|-----|---------------|----------------------------------|--------|
| 101 | *A-1340-725-A | D1 BAORD, COMPLETE | | 103 | *4-373-287-01 | STOPPER | |
| 102 | 1-439-331-41 | TRANSFORMER ASSY, FLYBACK | | 104 | *A-1345-540-A | D BOARD, SUB, COMPLETE | |
| | | | | 105 | 1-557-098-11 | SOCKET, PAL ANTENNA (WITH CABLE) | |

The components identified by shading and mark are critical for safety. Replace only with part number specified.

F

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.


• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|-----------------------|---------------------------------|--------|---------|-----------------------|----------------------------|--------|
| | *A-1245-313-A | F BOARD, SUB, COMPLETE ***** | | | | | |
| | | <u>CAPACITOR</u> | | | | <u>DIODE</u> | |
| C601 | Δ 1-108-745-62 | MYLAR 0.22MF 20% | 300V | D601 | 8-719-503-06 | DIODE S3WB60Z | |
| C602 | Δ 1-117-122-51 | PAPER 0.33MF 20% | 250V | D602 | 8-719-100-65 | DIODE RD12E-B2 | |
| C603 | Δ 1-161-738-12 | CERAMIC 0.0047MF 20% | 400V | D603 | 8-719-815-55 | DIODE 1S1555 | |
| C604 | Δ 1-161-738-12 | CERAMIC 0.0047MF 20% | 400V | D604 | 8-759-157-40 | IC UPC574J | |
| C605 | Δ 1-161-738-12 | CERAMIC 0.0047MF 20% | 400V | D605 | 8-719-924-06 | DIODE ERC24-06S | |
| C606 | Δ 1-161-738-12 | CERAMIC 0.0047MF 20% | 400V | D606 | 8-719-815-55 | DIODE 1S1555 | |
| C607 | Δ 1-161-964-61 | CERAMIC 0.0047MF 250V | | D607 | 8-719-815-55 | DIODE 1S1555 | |
| C608 | Δ 1-161-964-61 | CERAMIC 0.0047MF 250V | | D608 | 8-719-815-55 | DIODE 1S1555 | |
| C609 | Δ 1-161-964-61 | CERAMIC 0.0047MF 250V | | D609 | 8-719-305-15 | DIODE GH3F | |
| C610 | 1-125-318-00 | ELECT(BLOCK) 220MF 20% | 400V | D651 | 8-719-928-08 | DIODE ERD28-08S | |
| C611 | 1-110-175-81 | MYLAR 0.1MF 10% | 100V | D652 | 8-719-924-06 | DIODE ERC24-06S | |
| C612 | 1-130-022-00 | FILM 0.0022MF 5% | 50V | D653 | 8-719-924-06 | DIODE ERC24-06S | |
| C613 | 1-123-356-00 | ELECT 10MF 20% | 16V | D654 | 8-719-924-06 | DIODE ERC24-06S | |
| C614 | 1-123-369-00 | ELECT 4.7MF 20% | 25V | D654A | 8-719-924-06 | DIODE ERC24-06S | |
| C615 | 1-102-106-00 | CERAMIC 100PF 10% | 50V | D655 | 8-719-924-06 | DIODE ERC24-06S | |
| C616 | 1-123-369-00 | ELECT 4.7MF 20% | 25V | D655A | 8-719-924-06 | DIODE ERC24-06S | |
| C617 | 1-110-186-81 | MYLAR 0.0047MF 10% | 400V | D656 | 8-719-924-06 | DIODE ERC24-06S | |
| C618 | 1-102-030-00 | CERAMIC 330PF 10% | 500V | D657 | 8-719-924-06 | DIODE ERC24-06S | |
| C619 | 1-110-182-81 | MYLAR 0.022MF 10% | 250V | D658 | 8-719-102-74 | DIODE RD6.2E-N2 | |
| C620 | 1-123-332-00 | ELECT 47MF 20% | 16V | D659 | 8-719-102-79 | DIODE RD6.8E-N3 | |
| C621 | 1-136-065-00 | FILM 0.0027MF 3% | 2KV | D660 | 8-719-815-55 | DIODE 1S1555 | |
| C622 | 1-123-385-00 | ELECT 22MF 20% | 100V | D661 | 8-719-815-55 | DIODE 1S1555 | |
| C623 | 1-161-973-00 | CERAMIC 220PF 10% | 400V | D663 | 8-719-102-74 | DIODE RD6.2E-N2 | |
| C624 | 1-161-973-00 | CERAMIC 220PF 10% | 400V | D664 | 8-719-100-65 | DIODE RD12E-B2 | |
| C625 | 1-123-379-00 | ELECT 0.47MF 20% | 50V | | | <u>CONNECTOR</u> | |
| C626 | 1-123-381-00 | ELECT 2.2MF 20% | 50V | F1 | *1-506-348-XX | 3P PLUG (L) | |
| C627 | 1-123-380-00 | ELECT 1MF 20% | 50V | F2 | *1-508-765-00 | 3P PLUG (M) | |
| C628 | 1-108-618-91 | MYLAR 0.0022MF 10% | 100V | F3 | *1-508-786-00 | 2P PLUG (M) | |
| C632 | 1-102-002-00 | CERAMIC 680PF 10% | 500V | F4 | *1-508-765-00 | 3P PLUG (M) | |
| C633 | Δ 1-108-745-62 | MYLAR 0.22MF 20% | 300V | F6 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P | |
| C634 | 1-110-175-81 | MYLAR 0.1MF 10% | 100V | F7 | *1-564-883-11 | PLUG, CONNECTOR 6P | |
| C651 | 1-102-155-00 | CERAMIC 330PF 20% | 2KV | | | <u>FUSE</u> | |
| C652 | 1-124-347-00 | ELECT 100MF 20% | 160V | F601 | Δ 1-532-465-31 | FUSE 3.15/250V | |
| C653 | 1-123-364-00 | ELECT 1000MF 20% | 50V | | 1-533-149-00 | HOLDER, FUSE; F601 | |
| C654 | 1-123-606-00 | ELECT 1000MF 20% | 25V | | | <u>IC</u> | |
| C655 | 1-123-334-00 | ELECT 220MF 20% | 25V | IC601 | 8-759-100-75 | IC UPC1394C | |
| C656 | 1-102-038-00 | CERAMIC 0.001MF 500V | | IC602 | Δ 8-719-800-82 | DIODE TLP581 | |
| C658 | 1-123-332-00 | ELECT 47MF 20% | 16V | IC651 | 8-759-145-58 | IC UPC4558C | |
| C659 | 1-102-112-00 | CERAMIC 330PF 10% | 50V | | | <u>COIL</u> | |
| C660 | 1-123-356-00 | ELECT 10MF 20% | 50V | L601 | 1-407-365-00 | COIL, CHOKE | |
| C661 | 1-123-333-00 | ELECT 100MF 20% | 16V | L651 | 1-425-613-00 | COIL, AIR-CORE, QF TYPE | |
| C662 | 1-110-190-81 | MYLAR 0.01MF 10% | 400V | L652 | 1-459-442-00 | COIL (WITH CORE) | |
| C663 | 1-123-380-00 | ELECT 1MF 20% | 50V | | | <u>TRANSISTOR</u> | |
| C664 | 1-123-380-00 | ELECT 1MF 20% | 50V | Q601 | 8-729-195-82 | TRANSISTOR 2SC2958 | |
| C666 | 1-123-307-00 | ELECT 100MF 20% | 6.3V | Q602 | 8-729-301-00 | TRANSISTOR 2SD1497-02 | |
| C667 | 1-102-121-00 | CERAMIC 0.0022MF 10% | 50V | | 4-365-216-00 | SPACER, MICA; Q602 | |

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A

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|------------------|---------------|----------------------------|----------|----------------------|--------------|------------------------|----------|
| <u>CONNECTOR</u> | | | | C152 | 1-101-004-00 | CERAMIC 0.01MF | 50V |
| A1 | *1-564-880-31 | PLUG, CONNECTOR 3P | | C153 | 1-123-356-00 | ELECT 10MF | 20% 16V |
| A2 | *1-560-126-00 | PLUG, CONNECTOR (2.5MM) 6P | | C154 | 1-101-004-00 | CERAMIC 0.01MF | 50V |
| A3 | *1-564-889-11 | PLUG, CONNECTOR 12P | | C155 | 1-123-332-00 | ELECT 47MF | 20% 16V |
| <u>CAPACITOR</u> | | | | C156 | 1-123-306-00 | ELECT 47MF | 20% 10V |
| C102 | 1-123-356-00 | ELECT 10MF | 20% 16V | C157 | 1-123-306-00 | ELECT 47MF | 20% 10V |
| C104 | 1-123-356-00 | ELECT 10MF | 20% 16V | C158 | 1-123-379-00 | ELECT 0.47MF | 20% 50V |
| C105 | 1-123-356-00 | ELECT 10MF | 20% 16V | C159 | 1-102-816-00 | CERAMIC 120PF | 5% 50V |
| C106 | 1-123-323-00 | ELECT 470MF | 20% 16V | C160 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V |
| C107 | 1-123-330-00 | ELECT 22MF | 20% 16V | C164 | 1-108-620-91 | MYLAR 0.0033MF | 10% 100V |
| C108 | 1-136-163-00 | FILM 0.068MF | 5% 50V | C165 | 1-108-620-91 | MYLAR 0.0033MF | 10% 100V |
| C109 | 1-136-163-00 | FILM 0.068MF | 5% 50V | C167 | 1-108-620-91 | MYLAR 0.0033MF | 10% 100V |
| C110 | 1-102-963-00 | CERAMIC 33PF | 5% 50V | C168 | 1-108-620-91 | MYLAR 0.0033MF | 10% 100V |
| C111 | 1-123-318-00 | ELECT 33MF | 20% 16V | C169 | 1-123-356-00 | ELECT 10MF | 20% 16V |
| C112 | 1-102-527-00 | CERAMIC 82PF | 5% 50V | C170 | 1-123-356-00 | ELECT 10MF | 20% 16V |
| C113 | 1-102-510-00 | CERAMIC 12PF | 5% 50V | C171 | 1-123-318-00 | ELECT 33MF | 20% 16V |
| C115 | 1-102-852-00 | CERAMIC 47PF | 5% 50V | C172 | 1-123-379-00 | ELECT 0.47MF | 20% 50V |
| C116 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C173 | 1-123-379-00 | ELECT 0.47MF | 20% 50V |
| C117 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C174 | 1-110-190-81 | MYLAR 0.01MF | 10% 400W |
| C118 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C175 | 1-110-190-81 | MYLAR 0.01MF | 10% 400W |
| C119 | 1-108-603-00 | MYLAR 0.1MF | 5% 50V | C176 | 1-123-380-00 | ELECT 1MF | 20% 50V |
| C120 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C177 | 1-123-380-00 | ELECT 1MF | 20% 50V |
| C122 | 1-123-330-00 | ELECT 22MF | 20% 16V | C179 | 1-123-369-00 | ELECT 4.7MF | 20% 25V |
| C123 | 1-102-108-00 | CERAMIC 150PF | 10% 50V | C180 | 1-108-620-91 | MYLAR 0.0033MF | 10% 100V |
| C124 | 1-104-069-00 | POLYSTYRENE 470PF | 5% 50V | C181 | 1-123-318-00 | ELECT 33MF | 20% 16V |
| C125 | 1-101-361-00 | CERAMIC 150PF | 5% 50V | C182 | 1-123-307-00 | ELECT 100MF | 20% 10V |
| C126 | 1-123-318-00 | ELECT 33MF | 20% 16V | C183 | 1-101-361-00 | CERAMIC 150PF | 5% 50V |
| C127 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C184 | 1-102-973-00 | CERAMIC 100PF | 5% 50V |
| C128 | 1-101-004-00 | CERAMIC 0.01MF | 50V | C186 | 1-102-121-00 | CERAMIC 0.0022MF | 10% 50V |
| C129 | 1-101-004-00 | CERAMIC 0.01MF | 50V | C188 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V |
| C130 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | C189 | 1-101-006-21 | CERAMIC 0.047MF | 50V |
| C131 | 1-123-381-00 | ELECT 2.2MF | 20% 50V | C190 | 1-106-220-00 | MYLAR 0.1MF | 10% 100V |
| C132 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | <u>DISCRIMINATOR</u> | | | |
| C133 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | CD151 | 1-404-501-00 | DISCRIMINATOR, CERAMIC | |
| C134 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | <u>FILTER</u> | | | |
| C135 | 1-102-525-00 | CERAMIC 68PF | 5% 50V | CF101 | 1-527-840-00 | FILTER, CERAMIC | |
| C136 | 1-102-525-00 | CERAMIC 68PF | 5% 50V | CF102 | 1-404-134-00 | TRAP, CERAMIC (5.5MHZ) | |
| C137 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | CF151 | 1-527-839-00 | FILTER, CERAMIC | |
| C138 | 1-123-380-00 | ELECT 1MF | 20% 50V | <u>DIODE</u> | | | |
| C139 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | D102 | 8-719-911-19 | DIODE 1SS119 | |
| C140 | 1-102-125-00 | CERAMIC 0.0047MF | 10% 50V | D103 | 8-719-102-71 | DIODE RD5.6E-N2 | |
| C141 | 1-123-318-00 | ELECT 33MF | 20% 16V | D104 | 8-719-911-19 | DIODE 1SS119 | |
| C142 | 1-102-525-00 | CERAMIC 68PF | 5% 50V | D105 | 8-719-911-19 | DIODE 1SS119 | |
| C143 | 1-101-004-00 | CERAMIC 0.01MF | 50V | D151 | 8-719-911-19 | DIODE 1SS119 | |
| C144 | 1-123-286-00 | ELECT 0.33MF | 20% 50V | D152 | 8-719-911-19 | DIODE 1SS119 | |
| C145 | 1-102-961-00 | CERAMIC 27PF | 5% 50V | D153 | 8-719-911-19 | DIODE 1SS119 | |
| C146 | 1-123-380-00 | ELECT 1MF | 20% 50V | D154 | 8-719-911-19 | DIODE 1SS119 | |
| C147 | 1-130-072-00 | FILM 0.022MF | 2% 100V | D170 | 8-719-911-19 | DIODE 1SS119 | |
| C148 | 1-110-186-81 | MYLAR 0.0047MF | 10% 400V | D171 | 8-719-911-19 | DIODE 1SS119 | |
| C150 | 1-102-520-00 | CERAMIC 39PF | 5% 50V | | | | |
| C151 | 1-101-004-00 | CERAMIC 0.01MF | 50V | | | | |

A

Ref.No. Part No. Description

IC

| | | |
|-------|--------------|-------------|
| IC101 | 8-759-909-08 | IC TDA3541 |
| IC102 | 8-759-909-54 | IC TDA2546A |
| IC103 | 8-759-602-16 | IC M54572L |
| IC151 | 8-759-007-54 | IC TDA4940 |
| IC152 | 8-759-007-55 | IC TDA4944 |

COIL

| | | |
|------|--------------|----------------------|
| L102 | 1-404-476-00 | COIL, IF |
| L103 | 1-408-399-00 | MICRO INDUCTOR 1.5UH |
| L104 | 1-408-406-00 | MICRO INDUCTOR 5.6UH |
| L105 | 1-404-477-00 | COIL, IF |
| L106 | 1-404-493-00 | COIL |
| L107 | 1-404-493-00 | COIL |
| L109 | 1-408-409-00 | MICRO INDUCTOR 10UH |
| L110 | 1-408-406-00 | MICRO INDUCTOR 5.6UH |
| L111 | 1-404-493-00 | COIL |
| L113 | 1-408-226-00 | MICRO INDUCTOR 82UH |
| L115 | 1-408-405-00 | MICRO INDUCTOR 4.7UH |
| L116 | 1-408-406-00 | MICRO INDUCTOR 5.6UH |
| L117 | 1-408-428-00 | MICRO INDUCTOR 390UH |
| L170 | 1-408-247-00 | MICRO INDUCTOR 33MMH |
| L171 | 1-408-408-00 | MICRO INDUCTOR 8.2UH |

TRANSISTOR

| | | |
|------|--------------|----------------------|
| Q101 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q102 | 8-729-105-47 | TRANSISTOR 2SC2026-L |
| Q103 | 8-729-204-83 | TRANSISTOR 2SA1048GR |
| Q104 | 8-729-900-36 | TRANSISTOR DTC124ES |
| Q105 | 8-729-204-83 | TRANSISTOR 2SA1048GR |
| Q151 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q152 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q153 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q154 | 8-729-900-89 | TRANSISTOR DTC144ES |
| Q155 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q156 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q157 | 8-729-900-89 | TRANSISTOR DTC144ES |
| Q158 | 8-729-900-89 | TRANSISTOR DTC144ES |
| Q172 | 8-729-204-83 | TRANSISTOR 2SA1048GR |
| Q173 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q174 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q175 | 8-729-245-83 | TRANSISTOR 2SC2458 |

RESISTOR

| | | | | | |
|------|--------------|-------|------|----|------|
| R101 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R102 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R105 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R106 | 1-215-750-91 | METAL | 3.3K | 5% | 1/6W |
| R107 | 1-215-750-91 | METAL | 3.3K | 5% | 1/6W |
| R108 | 1-215-798-91 | METAL | 330K | 5% | 1/6W |
| R109 | 1-215-746-91 | METAL | 2.2K | 5% | 1/6W |
| R110 | 1-215-746-91 | METAL | 2.2K | 5% | 1/6W |
| R111 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R112 | 1-215-744-91 | METAL | 1.8K | 5% | 1/6W |

Ref.No. Part No. Description

Remark

| | | | | | |
|------|--------------|-------|------|----|------|
| R113 | 1-215-752-91 | METAL | 3.9K | 5% | 1/6W |
| R114 | 1-215-722-91 | METAL | 220 | 5% | 1/6W |
| R115 | 1-215-742-91 | METAL | 1.5K | 5% | 1/6W |
| R116 | 1-215-730-91 | METAL | 470 | 5% | 1/6W |
| R117 | 1-215-710-91 | METAL | 68 | 5% | 1/6W |
| R118 | 1-215-724-91 | METAL | 270 | 5% | 1/6W |
| R119 | 1-215-730-91 | METAL | 470 | 5% | 1/6W |
| R120 | 1-215-778-91 | METAL | 47K | 5% | 1/6W |
| R122 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R125 | 1-215-736-91 | METAL | 820 | 5% | 1/6W |
| R126 | 1-215-736-91 | METAL | 820 | 5% | 1/6W |
| R127 | 1-215-736-91 | METAL | 820 | 5% | 1/6W |
| R131 | 1-215-778-91 | METAL | 47K | 5% | 1/6W |
| R132 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R134 | 1-215-782-91 | METAL | 68K | 5% | 1/6W |
| R135 | 1-215-780-91 | METAL | 56K | 5% | 1/6W |
| R136 | 1-215-770-91 | METAL | 22K | 5% | 1/6W |
| R137 | 1-215-770-91 | METAL | 22K | 5% | 1/6W |
| R140 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R141 | 1-215-766-91 | METAL | 15K | 5% | 1/6W |
| R142 | 1-215-786-91 | METAL | 100K | 5% | 1/6W |
| R143 | 1-215-786-91 | METAL | 100K | 5% | 1/6W |
| R144 | 1-215-752-91 | METAL | 3.9K | 5% | 1/6W |
| R145 | 1-215-752-91 | METAL | 3.9K | 5% | 1/6W |
| R146 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R151 | 1-215-736-91 | METAL | 820 | 5% | 1/6W |
| R152 | 1-215-776-91 | METAL | 39K | 5% | 1/6W |
| R153 | 1-215-728-91 | METAL | 390 | 5% | 1/6W |
| R154 | 1-215-714-91 | METAL | 100 | 5% | 1/6W |
| R155 | 1-215-770-91 | METAL | 22K | 5% | 1/6W |
| R156 | 1-215-784-91 | METAL | 82K | 5% | 1/6W |
| R157 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R158 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R159 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R160 | 1-215-754-91 | METAL | 4.7K | 5% | 1/6W |
| R161 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R162 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R166 | 1-215-750-91 | METAL | 3.3K | 5% | 1/6W |
| R167 | 1-215-774-91 | METAL | 33K | 5% | 1/6W |
| R168 | 1-215-770-91 | METAL | 22K | 5% | 1/6W |
| R172 | 1-215-720-91 | METAL | 180 | 5% | 1/6W |
| R173 | 1-215-778-91 | METAL | 47K | 5% | 1/6W |
| R174 | 1-215-796-91 | METAL | 270K | 5% | 1/6W |
| R175 | 1-215-772-91 | METAL | 27K | 5% | 1/6W |
| R176 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R177 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R178 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R179 | 1-215-762-91 | METAL | 10K | 5% | 1/6W |
| R180 | 1-215-738-91 | METAL | 1K | 5% | 1/6W |
| R181 | 1-215-740-91 | METAL | 1.2K | 5% | 1/6W |

A

C

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------------------------------|---------------|------------------------------|--------|-------------------|--------------|-------------------------|--------|
| R182 | 1-215-746-91 | METAL 2.2K 5% 1/6W | | D704 | 8-719-911-19 | DIODE 1SS119 | |
| R183 | 1-215-738-91 | METAL 1K 5% 1/6W | | D705 | 8-719-911-19 | DIODE 1SS119 | |
| R184 | 1-215-724-91 | METAL 270 5% 1/6W | | D706 | 8-719-911-19 | DIODE 1SS119 | |
| R185 | 1-215-726-91 | METAL 330 5% 1/6W | | D707 | 8-719-911-19 | DIODE 1SS119 | |
| R188 | 1-215-766-91 | METAL 15K 5% 1/6W | | D708 | 8-719-911-19 | DIODE 1SS119 | |
| R191 | 1-215-732-91 | METAL 560 5% 1/6W | | D709 | 8-719-911-19 | DIODE 1SS119 | |
| R192 | 1-215-732-91 | METAL 560 5% 1/6W | | D710 | 8-719-100-68 | DIODE RD13E-B2 | |
| R193 | 1-215-714-91 | METAL 100 5% 1/6W | | D711 | 8-719-911-19 | DIODE 1SS119 | |
| <u>VARIABLE RESISTOR</u> | | | | <u>TRANSISTOR</u> | | | |
| RV101 | 1-228-727-00 | RES, ADJ, CERAMIC CARBON 47K | | Q701 | 8-729-255-12 | TRANSISTOR 2SC2551 | |
| RV151 | 1-228-726-00 | RES, ADJ, CERAMIC CARBON 33K | | Q702 | 8-729-255-12 | TRANSISTOR 2SC2551 | |
| <u>FILTER</u> | | | | Q703 | 8-729-255-12 | TRANSISTOR 2SC2551 | |
| SWF101 | 1-404-438-00 | FILTER, SAW | | Q704 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| <u>TUNER</u> | | | | Q705 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| TU101 | 1-463-523-11 | TUNER, ET (UHF/VHF) (UV417) | | Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| ***** | | | | Q707 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| *A-1330-626-A C BOARD, COMPLETE | | | | Q708 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| ***** | | | | Q709 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| 1-526-086-XX SOCKET, CRT | | | | Q710 | 8-729-204-83 | TRANSISTOR 2SA1048GR | |
| <u>CONNECTOR</u> | | | | Q711 | 8-729-204-83 | TRANSISTOR 2SA1048GR | |
| C1 | *1-508-765-00 | 3P PLUG (M) | | Q712 | 8-729-204-83 | TRANSISTOR 2SA1048GR | |
| C3 | *1-564-880-31 | PLUG, CONNECTOR 3P | | Q713 | 8-729-204-83 | TRANSISTOR 2SA1048GR | |
| C4 | *1-564-883-11 | PLUG, CONNECTOR 6P | | Q714 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| C5 | *1-508-766-00 | 4P PLUG (M) | | <u>RESISTOR</u> | | | |
| <u>CAPACITOR</u> | | | | R701 | 1-215-899-11 | METAL OXIDE 15K 5% 2W F | |
| C701 | 1-102-116-00 | CERAMIC 680PF 10% 50V | | R702 | 1-215-899-11 | METAL OXIDE 15K 5% 2W F | |
| C702 | 1-102-116-00 | CERAMIC 680PF 10% 50V | | R703 | 1-215-899-11 | METAL OXIDE 15K 5% 2W F | |
| C703 | 1-102-116-00 | CERAMIC 680PF 10% 50V | | R704 | 1-247-131-00 | CARBON 1K 5% 1/4W F | |
| C704 | 1-102-936-00 | CERAMIC 3PF 0.25PF 50V | | R705 | 1-247-131-00 | CARBON 1K 5% 1/4W F | |
| C705 | 1-102-936-00 | CERAMIC 3PF 0.25PF 50V | | R706 | 1-247-131-00 | CARBON 1K 5% 1/4W F | |
| C706 | 1-102-936-00 | CERAMIC 3PF 0.25PF 50V | | R707 | 1-247-847-00 | CARBON 4.7K 5% 1/5W | |
| C707 | 1-123-005-00 | ELECT 22MF 250V | | R708 | 1-247-847-00 | CARBON 4.7K 5% 1/5W | |
| C708 | 1-123-333-00 | ELECT 100MF 20% 25V | | R709 | 1-247-847-00 | CARBON 4.7K 5% 1/5W | |
| C709 | 1-102-820-00 | CERAMIC 330PF 5% 50V | | R710 | 1-214-784-00 | METAL 200K 1% 1/4W | |
| C711 | 1-101-880-00 | CERAMIC 47PF 5% 50V | | R711 | 1-214-784-00 | METAL 200K 1% 1/4W | |
| C712 | 1-101-880-00 | CERAMIC 47PF 5% 50V | | R712 | 1-214-784-00 | METAL 200K 1% 1/4W | |
| C713 | 1-101-880-00 | CERAMIC 47PF 5% 50V | | R713 | 1-247-853-00 | CARBON 8.2K 5% 1/5W | |
| C715 | 1-123-330-00 | ELECT 22MF 20% 16V | | R714 | 1-247-853-00 | CARBON 8.2K 5% 1/5W | |
| C741 | 1-102-030-00 | CERAMIC 330PF 10% 500V | | R715 | 1-247-854-00 | CARBON 9.1K 5% 1/5W | |
| C742 | 1-102-223-00 | CERAMIC 0.0047MF 10% 2KV | | R716 | 1-247-725-11 | CARBON 10K 5% 1/4W | |
| <u>DIODE</u> | | | | R717 | 1-247-725-11 | CARBON 10K 5% 1/4W | |
| D701 | 8-719-911-19 | DIODE 1SS119 | | R718 | 1-247-725-11 | CARBON 10K 5% 1/4W | |
| D702 | 8-719-911-19 | DIODE 1SS119 | | R719 | 1-247-833-00 | CARBON 1.2K 5% 1/5W | |
| D703 | 8-719-911-19 | DIODE 1SS119 | | R720 | 1-247-833-00 | CARBON 1.2K 5% 1/5W | |
| | | | | R721 | 1-247-833-00 | CARBON 1.2K 5% 1/5W | |
| | | | | R722 | 1-247-843-00 | CARBON 3.3K 5% 1/5W | |
| | | | | R723 | 1-247-843-00 | CARBON 3.3K 5% 1/5W | |
| | | | | R724 | 1-247-843-00 | CARBON 3.3K 5% 1/5W | |
| | | | | R725 | 1-214-958-00 | METAL 560K 1% 1/4W | |
| | | | | R726 | 1-214-955-00 | METAL 430K 1% 1/4W | |
| | | | | R727 | 1-214-788-00 | METAL 300K 1% 1/4W | |

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

C

D1

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|----------------------------------|--------------|-------------------------------|-------------------|---------|---------------|-------------------------------|--------|
| R730 | 1-215-891-11 | METAL OXIDE | 680 5% 2W F | | | CONNECTOR | |
| R731 | 1-249-429-11 | CARBON | 10K 5% 1/6W | D19 | *1-562-370-21 | CONNECTOR, BOARD TO BOARD 18P | |
| R732 | 1-247-837-00 | CARBON | 1.8K 5% 1/6W | | | DIODE | |
| R733 | 1-247-827-00 | CARBON | 680 5% 1/6W | D1552 | 8-719-911-19 | DIODE 1SS119 | |
| R734 | 1-249-419-11 | CARBON | 1.5K 5% 1/6W | | | IC | |
| R741 | 1-202-847-00 | SOLID | 560K 10% 1/2W | IC1553 | 8-759-905-39 | IC TDA1082 | |
| R742 | 1-207-458-00 | WIREWOUND | 0.39 10% 1/2W | | | COIL | |
| R743 | 1-202-719-00 | SOLID | 1M 10% 1/2W | L1551 | 1-408-242-00 | MICRO INDUCTOR 10MMH | |
| R744 | 1-202-719-00 | SOLID | 1M 10% 1/2W | L1552 | 1-408-247-00 | MICRO INDUCTOR 33MMH | |
| R745 | 1-202-814-91 | SOLID | 33K 10% 1/2W | L1553 | 1-407-509-00 | MICRO INDUCTOR 27MMH | |
| R746 | 1-202-824-00 | SOLID | 3.3K 10% 1/2W | L1554 | 1-408-245-00 | MICRO INDUCTOR 22MMH | |
| R747 | 1-202-824-00 | SOLID | 3.3K 10% 1/2W | | | TRANSISTOR | |
| R748 | 1-202-824-00 | SOLID | 3.3K 10% 1/2W | Q1553 | 8-729-374-02 | TRANSISTOR 2SB740 | |
| R749 | 1-202-843-51 | SOLID | 270K 1/2W | Q1554 | 8-729-195-82 | TRANSISTOR 2SC2958 | |
| | | VARIABLE RESISTOR | | | | RESISTOR | |
| RV701 | 1-228-723-00 | RES, ADJ, CERAMIC CARBON 4.7K | | R1554 | 1-247-129-00 | CARBON 820 5% 1/4W | |
| RV702 | 1-228-723-00 | RES, ADJ, CERAMIC CARBON 4.7K | | R1555 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| RV741 | 1-226-157-00 | RES, ADJ, METAL GLAZE 1M | | R1556 | 1-247-161-00 | CARBON 18K 5% 1/4W | |
| RV742 | 1-226-114-00 | RES, ADJ, METAL GLAZE 2.2M | | R1557 | 1-247-861-00 | CARBON 18K 5% 1/6W | |
| | | SPARK GAP | | R1558 | 1-247-145-00 | CARBON 3.9K 5% 1/4W | |
| SG701 | 1-519-063-XX | DISCHARGING GAP | | R1559 | 1-246-486-00 | CARBON 3.6K 5% 1/4W | |
| SG702 | 1-519-063-XX | DISCHARGING GAP | | R1560 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| SG703 | 1-519-063-XX | DISCHARGING GAP | | R1561 | 1-247-702-11 | CARBON 150 5% 1/4W | |
| SG704 | 1-519-063-XX | DISCHARGING GAP | | R1562 | 1-247-161-00 | CARBON 18K 5% 1/4W | |
| SG705 | 1-519-063-XX | DISCHARGING GAP | | R1563 | 1-247-787-00 | CARBON 15 5% 1/6W | |
| ***** | | | | R1564 | 1-249-429-11 | CARBON 10K 5% 1/6W | |
| *A-1340-725-A D1 BOARD, COMPLETE | | | | R1565 | 1-216-451-11 | METAL OXIDE 120 5% 2W F | |
| ***** | | | | R1566 | 1-247-825-00 | CARBON 560 5% 1/6W | |
| | | CAPACITOR | | R1567 | 1-247-725-11 | CARBON 10K 5% 1/4W | |
| C1528 | 1-123-380-00 | ELECT | 1MF 20% 50V | R1568 | 1-247-809-00 | CARBON 120 5% 1/6W | |
| C1554 | 1-123-330-00 | ELECT | 22MF 20% 16V | R1569 | 1-216-423-11 | METAL OXIDE 27 5% 1W F | |
| C1555 | 1-123-356-00 | ELECT | 10MF 20% 16V | R1570 | 1-247-242-00 | CARBON 1.2K 5% 1/2W | |
| C1556 | 1-124-009-11 | ELECT | 47MF 20% 25V | R1571 | 1-215-865-11 | METAL OXIDE 220 5% 1W F | |
| C1557 | 1-123-382-00 | ELECT | 3.3MF 20% 50V | R1572 | 1-247-803-00 | CARBON 68 5% 1/6W | |
| C1558 | 1-124-661-11 | ELECT | 100MF 20% 50V | R1573 | 1-247-895-00 | CARBON 470K 5% 1/6W | |
| C1559 | 1-106-208-00 | MYLAR | 0.033MF 10% 100V | R1575 | 1-247-109-00 | CARBON 120 5% 1/4W | |
| C1560 | 1-106-192-00 | MYLAR | 0.0068MF 10% 100V | R1576 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| C1561 | 1-108-637-00 | MYLAR | 0.082MF 10% 100V | R1577 | 1-247-153-00 | CARBON 8.2K 5% 1/4W | |
| C1562 | 1-123-356-00 | ELECT | 10MF 20% 16V | R1578 | 1-247-887-00 | CARBON 220K 5% 1/6W | |
| C1563 | 1-108-630-91 | MYLAR | 0.022MF 10% 100V | R1579 | 1-249-434-11 | CARBON 27K 5% 1/6W | |
| C1564 | 1-129-701-00 | FILM | 0.01MF 5% 100V | R1580 | 1-247-897-00 | CARBON 560K 5% 1/6W | |
| C1565 | 1-106-190-00 | MYLAR | 0.0056MF 10% 100V | R1581 | 1-246-517-00 | CARBON 68K 5% 1/4W | |
| C1566 | 1-123-357-00 | ELECT | 22MF 20% 50V | R1586 | 1-247-805-00 | CARBON 82 5% 1/6W | |
| C1567 | 1-106-196-00 | MYLAR | 0.01MF 10% 100V | | | VARIABLE RESISTOR | |
| C1568 | 1-123-333-00 | ELECT | 100MF 20% 16V | RV1551 | 1-226-771-00 | RES, ADJ, METAL GLAZE 1K | |
| C1569 | 1-108-630-91 | MYLAR | 0.022MF 10% 100V | | | | |
| C1570 | 1-106-196-00 | MYLAR | 0.01MF 10% 100V | | | | |
| C1571 | 1-108-614-91 | MYLAR | 0.001MF 10% 100V | | | | |
| C1572 | 1-102-125-00 | CERAMIC | 0.0047MF 10% 50V | | | | |
| C1574 | 1-106-212-00 | MYLAR | 0.047MF 10% 100V | | | | |

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| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|--------------------------------------|--------------|-------------------------------|--------|---------|--------------|-------------------------|--------|
| RV1552 | 1-228-719-00 | RES, ADJ, CERAMIC CARBON 470 | | C214 | 1-123-356-00 | ELECT 10MF 20% 16V | |
| RV1553 | 1-228-720-00 | RES, ADJ, CERAMIC CARBON 1K | | C215 | 1-123-356-00 | ELECT 10MF 20% 16V | |
| RV1554 | 1-228-724-00 | RES, ADJ, CERAMIC CARBON 10K | | C216 | 1-123-356-00 | ELECT 10MF 20% 16V | |
| RV1555 | 1-228-718-00 | RES, ADJ, CERAMIC CARBON 330 | | C217 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | |
| RV1556 | 1-228-723-00 | RES, ADJ, CERAMIC CARBON 4.7K | | C218 | 1-106-208-00 | MYLAR 0.033MF 10% 100V | |
| RV1557 | 1-228-718-00 | RES, ADJ, CERAMIC CARBON 330 | | C219 | 1-123-356-00 | ELECT 10MF 20% 16V | |
| RV1559 | 1-228-724-00 | RES, ADJ, CERAMIC CARBON 10K | | C220 | 1-106-212-00 | MYLAR 0.047MF 10% 100V | |
| RV1560 | 1-228-728-00 | RES, ADJ, CERAMIC CARBON 100K | | C221 | 1-108-614-91 | MYLAR 0.001MF 10% 100V | |
| RV1562 | 1-228-727-00 | RES, ADJ, CERAMIC CARBON 47K | | C222 | 1-123-322-00 | ELECT 330MF 20% 16V | |
| THERMISTOR | | | | C223 | 1-123-380-00 | ELECT 1MF 20% 50V | |
| TH1551 | 1-800-625-00 | THERMISTOR | | C224 | 1-123-380-00 | ELECT 1MF 20% 50V | |
| TH1552 | 1-806-110-00 | THERMISTOR | | C225 | 1-123-322-00 | ELECT 330MF 20% 16V | |
| ***** | | | | C226 | 1-123-330-00 | ELECT 22MF 20% 16V | |
| ***** | | | | C227 | 1-123-330-00 | ELECT 22MF 20% 16V | |
| ***** | | | | C228 | 1-102-945-00 | CERAMIC 8PF 1PF 50V | |
| *A-1345-540-A D BOARD, SUB, COMPLETE | | | | C229 | 1-102-108-00 | CERAMIC 150PF 10% 50V | |
| ***** | | | | C230 | 1-106-208-00 | MYLAR 0.033MF 10% 100V | |
| CAPACITOR | | | | C231 | 1-123-333-00 | ELECT 100MF 20% 16V | |
| C001 | 1-123-307-00 | ELECT 100MF 20% 10V | | C232 | 1-123-330-00 | ELECT 22MF 20% 16V | |
| C002 | 1-123-381-00 | ELECT 2.2MF 20% 50V | | C233 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C003 | 1-102-973-00 | CERAMIC 100PF 5% 50V | | C234 | 1-123-379-00 | ELECT 0.47MF 20% 50V | |
| C004 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | | C235 | 1-123-330-00 | ELECT 22MF 20% 16V | |
| C005 | 1-123-356-00 | ELECT 10MF 20% 50V | | C236 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C006 | 1-102-959-00 | CERAMIC 22PF 5% 50V | | C237 | 1-123-379-00 | ELECT 0.47MF 20% 50V | |
| C007 | 1-102-963-00 | CERAMIC 33PF 5% 50V | | C238 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | |
| C008 | 1-123-356-00 | ELECT 10MF 20% 50V | | C239 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | |
| C009 | 1-102-114-00 | CERAMIC 470PF 10% 50V | | C240 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | |
| C010 | 1-123-369-00 | ELECT 4.7MF 20% 25V | | C241 | 1-123-333-00 | ELECT 100MF 20% 16V | |
| C011 | 1-124-253-00 | ELECT 0.47MF 20% 50V | | C243 | 1-123-332-00 | ELECT 47MF 20% 16V | |
| C012 | 1-101-004-00 | CERAMIC 0.01MF 50V | | C244 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C015 | 1-123-381-00 | ELECT 2.2MF 20% 50V | | C245 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C016 | 1-101-810-00 | CERAMIC 100PF 5% 500V | | C272 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | |
| C017 | 1-123-306-00 | ELECT 47MF 20% 10V | | C273 | 1-123-359-00 | ELECT 47MF 20% 50V | |
| C017A | 1-123-307-00 | ELECT 100MF 20% 10V | | C274 | 1-123-364-00 | ELECT 1000MF 20% 50V | |
| C018 | 1-106-220-00 | MYLAR 0.1MF 10% 100V | | C276 | 1-123-359-00 | ELECT 47MF 20% 50V | |
| C019 | 1-123-306-00 | ELECT 47MF 20% 10V | | C277 | 1-108-603-00 | MYLAR 0.1MF 5% 50V | |
| C020 | 1-102-112-00 | CERAMIC 330PF 10% 50V | | C278 | 1-123-349-00 | ELECT 1000MF 20% 35V | |
| C022 | 1-161-377-00 | CERAMIC 0.0047MF 20% 50V | | C279 | 1-123-343-00 | ELECT 33MF 20% 25V | |
| C026 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | | C280 | 1-123-349-00 | ELECT 1000MF 20% 35V | |
| C201 | 1-102-114-00 | CERAMIC 470PF 10% 50V | | C281 | 1-123-360-00 | ELECT 100MF 20% 50V | |
| C202 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | | C282 | 1-101-005-00 | CERAMIC 0.022MF 50V | |
| C203 | 1-123-380-00 | ELECT 1MF 20% 50V | | C283 | 1-101-005-00 | CERAMIC 0.022MF 50V | |
| C204 | 1-102-114-00 | CERAMIC 470PF 10% 50V | | C284 | 1-102-106-00 | CERAMIC 100PF 10% 50V | |
| C205 | 1-123-379-00 | ELECT 0.47MF 20% 50V | | C285 | 1-102-106-00 | CERAMIC 100PF 10% 50V | |
| C206 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | | C288 | 1-108-630-91 | MYLAR 0.022MF 10% 100V | |
| C207 | 1-123-380-00 | ELECT 1MF 20% 50V | | C289 | 1-108-630-91 | MYLAR 0.022MF 10% 100V | |
| C208 | 1-123-332-00 | ELECT 47MF 20% 16V | | C290 | 1-123-343-00 | ELECT 33MF 20% 25V | |
| C209 | 1-106-212-00 | MYLAR 0.047MF 10% 100V | | C291 | 1-123-343-00 | ELECT 33MF 20% 25V | |
| C210 | 1-108-614-91 | MYLAR 0.001MF 10% 100V | | C301 | 1-102-944-00 | CERAMIC 7PF 1PF 50V | |
| C211 | 1-123-380-00 | ELECT 1MF 20% 50V | | C302 | 1-102-944-00 | CERAMIC 7PF 1PF 50V | |
| C212 | 1-123-369-00 | ELECT 4.7MF 20% 50V | | C303 | 1-102-951-00 | CERAMIC 15PF 5% 50V | |
| C213 | 1-123-356-00 | ELECT 10MF 20% 16V | | C304 | 1-102-816-00 | CERAMIC 120PF 5% 50V | |
| | | | | C311 | 1-123-323-00 | ELECT 470MF 20% 16V | |

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| Ref.No. | Part No. | Description | | | Remark | Ref.No. | Part No. | Description | | | Remark |
|---------|--------------|-------------|----------|-------|--------|---------|----------------|------------------------------|----------|-----|--------|
| C312 | 1-123-279-91 | ELECT | 2.2MF | 20% | 50V | C520 | 1-106-182-00 | MYLAR | 0.0027MF | 10% | 100V |
| C313 | 1-123-356-00 | ELECT | 10MF | 20% | 25V | C521 | 1-102-157-00 | CERAMIC | 560PF | 10% | 500V |
| C314 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V | C522 | 1-123-318-00 | ELECT | 33MF | 20% | 16V |
| C315 | 1-123-381-00 | ELECT | 2.2MF | 20% | 50V | C523 | 1-108-431-00 | MYLAR | 0.068MF | 10% | 200V |
| C316 | 1-108-622-91 | MYLAR | 0.0047MF | 10% | 100V | C524 | 1-123-162-91 | ELECT | 1MF | 20% | 50V |
| C317 | 1-108-630-91 | MYLAR | 0.022MF | 10% | 100V | C525 | 1-123-362-00 | ELECT | 330MF | 20% | 50V |
| C318 | 1-131-345-00 | TANTALUM | 0.47MF | 10% | 35V | C527 | 1-123-360-00 | ELECT | 100MF | 20% | 50V |
| C319 | 1-123-356-00 | ELECT | 10MF | 20% | 16V | C528 | 1-123-321-00 | ELECT | 220MF | 20% | 16V |
| C320 | 1-123-586-00 | ELECT | 0.1MF | 20% | 50V | C529 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C321 | 1-131-345-00 | TANTALUM | 0.47MF | 10% | 35V | C530 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 200V |
| C322 | 1-131-345-00 | TANTALUM | 0.47MF | 10% | 35V | C531 | 1-123-382-00 | ELECT | 33MF | 20% | 50V |
| C323 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V | C532 | 1-106-190-00 | MYLAR | 0.0056MF | 10% | 100V |
| C324 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V | C540 | 1-108-614-91 | MYLAR | 0.001MF | 10% | 100V |
| C325 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | C543 | 1-123-360-00 | ELECT | 100MF | 20% | 50V |
| C326 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | C544 | 1-123-382-00 | ELECT | 33MF | 20% | 50V |
| C327 | 1-121-705-00 | ELECT | 2.2MF | 30% | 25V | C545 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V |
| C328 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | C546 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C329 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | C551 | 1-123-322-00 | ELECT | 330MF | 20% | 16V |
| C331 | 1-161-330-00 | CERAMIC | 0.01MF | 30% | 25V | C552 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C332 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | C553 | 1-123-333-00 | ELECT | 100MF | 20% | 16V |
| C333 | 1-123-356-00 | ELECT | 10MF | 20% | 16V | C591 | 1-108-434-00 | MYLAR | 0.12MF | 10% | 200V |
| C334 | 1-123-356-00 | ELECT | 10MF | 20% | 16V | C801 | 1-123-093-00 | ELECT | 22MF | 20% | 160V |
| C336 | 1-102-858-00 | CERAMIC | 10PF | 0.5PF | 50V | C802 | 1-102-157-00 | CERAMIC | 560PF | 10% | 500V |
| C337 | 1-102-888-00 | CERAMIC | 150PF | 5% | 50V | C803 | △ 1-102-327-11 | CERAMIC | 330PF | 15% | 1.5KV |
| C338 | 1-102-884-00 | CERAMIC | 33PF | 5% | 50V | C804 | △ 1-161-754-11 | CERAMIC | 0.001MF | 10% | 3KV |
| C339 | 1-102-959-00 | CERAMIC | 22PF | 5% | 50V | C805 | 1-108-423-00 | MYLAR | 0.015MF | 10% | 200V |
| C340 | 1-102-945-00 | CERAMIC | 8PF | 1PF | 50V | C806 | 1-129-721-00 | FILM | 0.039MF | 10% | 630V |
| C341 | 1-102-947-00 | CERAMIC | 10PF | 5% | 50V | C807 | 1-136-179-00 | FILM | 1.5MF | 5% | 200V |
| C342 | 1-102-676-00 | CERAMIC | 68PF | 5% | 50V | C808 | 1-136-116-00 | FILM | 1MF | 5% | 200V |
| C343 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | C809 | 1-108-597-00 | MYLAR | 0.056MF | 10% | 50V |
| C344 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V | C810 | 1-106-196-00 | MYLAR | 0.01MF | 10% | 100V |
| C346 | 1-123-333-00 | ELECT | 100MF | 20% | 16V | C812 | 1-102-223-00 | CERAMIC | 0.0047MF | 10% | 2KV |
| C347 | 1-108-622-91 | MYLAR | 0.0047MF | 10% | 100V | C813 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V |
| C348 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V | C814 | 1-123-005-00 | ELECT | 22MF | | 250V |
| C501 | 1-108-630-91 | MYLAR | 0.022MF | 10% | 100V | C815 | 1-123-362-00 | ELECT | 330MF | 20% | 50V |
| C502 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | C816 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V |
| C503 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | C818 | 1-136-086-00 | FILM | 0.017MF | 3% | 2KV |
| C504 | 1-102-108-00 | CERAMIC | 150PF | 10% | 50V | C819 | 1-130-061-00 | FILM | 0.0015MF | 10% | 630V |
| C505 | 1-123-380-00 | ELECT | 1MF | 20% | 50V | C821 | 1-102-038-00 | CERAMIC | 0.001MF | | 500V |
| C506 | 1-123-330-00 | ELECT | 22MF | 20% | 16V | C822 | 1-102-038-00 | CERAMIC | 0.001MF | | 500V |
| C507 | 1-106-224-00 | MYLAR | 0.15MF | 10% | 100V | C824 | 1-106-200-00 | MYLAR | 0.015MF | 10% | 100V |
| C508 | 1-123-356-00 | ELECT | 10MF | 20% | 16V | C825 | 1-136-184-00 | MYLAR | 0.68MF | 10% | 250V |
| C509 | 1-123-369-00 | ELECT | 4.7MF | 20% | 25V | C828 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C510 | 1-123-323-00 | ELECT | 470MF | 20% | 16V | | | | | | |
| C511 | 1-123-379-00 | ELECT | 0.47MF | 20% | 50V | | | FILTER | | | |
| C512 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | CF001 | 1-527-790-00 | OSCILLATOR, CERAMIC | | | |
| C513 | 1-130-023-00 | FILM | 0.0027MF | 5% | 50V | | | CONNECTOR | | | |
| C514 | 1-123-332-00 | ELECT | 47MF | 20% | 16V | | | | | | |
| C515 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | CN201 | 1-561-534-00 | SOCKET, PIN 21P | | | |
| C516 | 1-123-357-00 | ELECT | 22MF | 20% | 50V | CN202 | 1-536-813-21 | TERMINAL BOARD, INPUT/OUTPUT | | | |
| C517 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | CN251 | 1-536-813-21 | TERMINAL BOARD, INPUT/OUTPUT | | | |
| C518 | 1-129-742-00 | FILM | 0.018MF | 10% | 400V | CN252 | 1-536-813-21 | TERMINAL BOARD, INPUT/OUTPUT | | | |
| C519 | 1-123-931-00 | ELECT | 3.3MF | 20% | 160V | | | | | | |

FILTER

CF001 1-527-790-00 OSCILLATOR, CERAMIC

CONNECTOR

CN201 1-561-534-00 SOCKET, PIN 21P
 CN202 1-536-813-21 TERMINAL BOARD, INPUT/OUTPUT
 CN251 1-536-813-21 TERMINAL BOARD, INPUT/OUTPUT
 CN252 1-536-813-21 TERMINAL BOARD, INPUT/OUTPUT

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

— 18 —

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| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|---------------|-----------------------------------|--------|---------|--------------|-------------------------|--------|
| L802 | 1-421-329-00 | COIL, CHOKE | | R002 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| L803 | 1-459-125-00 | COIL, HORIZONTAL LINEARITY | | R003 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| L804 | 1-421-390-00 | COIL, FERRITE (PMC) | | R004 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L805 | 1-408-239-00 | MICRO INDUCTOR 4.7MMH | | R005 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L806 | 1-421-329-00 | COIL, CHOKE | | R006 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L808 | 1-407-365-00 | COIL, CHOKE | | R007 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L809 | 1-437-090-00 | HDT | | R008 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L810 | 1-407-365-00 | COIL, CHOKE | | R009 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| L891 | 1-459-338-00 | COIL, VAR, FERRITE (PAC) | | R010 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| | | TRANSISTOR | | R011 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| Q001 | 8-729-204-93 | TRANSISTOR 2SA1048GR | | R012 | 1-247-799-00 | CARBON 47 5% 1/6W | |
| Q003 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R013 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| Q004 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R014 | 1-247-847-00 | CARBON 4.7K 5% 1/6W | |
| Q006 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R015 | 1-247-847-00 | CARBON 4.7K 5% 1/6W | |
| Q007 | 8-729-603-50 | TRANSISTOR 2SC403SP | | R016 | 1-247-721-11 | CARBON 4.7K 5% 1/4W | |
| Q008 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R017 | 1-247-713-11 | CARBON 1K 5% 1/4W | |
| Q009 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R018 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| Q011 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R021 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| Q201 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R022 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| Q206 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R023 | 1-247-807-00 | CARBON 100 5% 1/6W | |
| Q207 | 8-729-204-83 | TRANSISTOR 2SA1048GR | | R024 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| Q208 | 8-729-204-83 | TRANSISTOR 2SA1048GR | | R025 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q301 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R026 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| Q309 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R027 | 1-247-708-11 | CARBON 470 5% 1/4W | |
| Q310 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R028 | 1-247-163-00 | CARBON 22K 5% 1/4W | |
| Q311 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R029 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q312 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R030 | 1-247-163-00 | CARBON 22K 5% 1/4W | |
| Q313 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R031 | 1-247-163-00 | CARBON 22K 5% 1/4W | |
| Q502 | 8-729-204-83 | TRANSISTOR 2SA1048GR | | R032 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q504 | 8-729-204-83 | TRANSISTOR 2SA1048GR | | R033 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q505 | 8-729-168-82 | TRANSISTOR 2SC2688 | | R034 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q506 | 8-729-169-02 | TRANSISTOR 2SC2690A | | R035 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| | 4-303-483-00 | HEAD, WASHER, TAPPING SCREW; Q506 | | R037 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| | *4-342-076-00 | HEAT SINK, V.OUT; Q506 | | R038 | 1-247-841-00 | CARBON 2.7K 5% 1/6W | |
| Q507 | 8-729-122-02 | TRANSISTOR 2SA1220A | | R039 | 1-247-807-00 | CARBON 100 5% 1/6W | |
| | 4-303-483-00 | HEAD, WASHER, TAPPING SCREW; Q507 | | R040 | 1-247-863-00 | CARBON 22K 5% 1/6W | |
| Q508 | 8-729-195-82 | TRANSISTOR 2SC2958 | | R041 | 1-247-867-00 | CARBON 33K 5% 1/6W | |
| Q510 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R042 | 1-247-823-00 | CARBON 470 5% 1/6W | |
| Q511 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R043 | 1-247-823-00 | CARBON 470 5% 1/6W | |
| Q512 | 8-729-900-36 | TRANSISTOR DTC124ES | | R044 | 1-247-831-00 | CARBON 1K 5% 1/6W | |
| Q514 | 8-729-245-83 | TRANSISTOR 2SC2458 | | R045 | 1-247-713-11 | CARBON 1K 5% 1/4W | |
| Q551 | 8-729-177-43 | TRANSISTOR 2SD774 | | R046 | 1-247-847-00 | CARBON 4.7K 5% 1/6W | |
| Q552 | 8-729-374-02 | TRANSISTOR 2SB740 | | R047 | 1-247-807-00 | CARBON 100 5% 1/6W | |
| Q802 | 8-729-300-90 | TRANSISTOR 2SD1497-06 | | R048 | 1-249-437-11 | CARBON 47K 5% 1/6W | |
| | 4-365-216-00 | SPACER, MICA; Q802 | | R049 | 1-216-464-11 | METAL OXIDE 18K 5% 2W F | |
| | *4-368-683-01 | SPRING; Q802 | | R050 | 1-217-387-00 | FUSIBLE 10 5% 1/4W F | |
| Q803 | 8-719-801-06 | THYRISTOR S6344G | | R052 | 1-247-713-11 | CARBON 1K 5% 1/4W | |
| | 4-365-216-00 | SPACER, MICA; Q803 | | R053 | 1-247-883-00 | CARBON 150K 5% 1/6W | |
| | *4-368-683-01 | SPRING; Q803 | | R054 | 1-247-815-00 | CARBON 220 5% 1/6W | |
| | | RESISTOR | | R056 | 1-247-859-00 | CARBON 15K 5% 1/6W | |
| R001 | 1-247-831-00 | CARBON 1K 5% 1/6W | | R057 | 1-249-429-11 | CARBON 10K 5% 1/6W | |
| | | | | R060 | 1-247-825-00 | CARBON 560 5% 1/6W | |
| | | | | R201 | 1-247-125-00 | CARBON 560 5% 1/4W | |

D

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|--------------|-------------|---------------|---------|--------------|-------------|--------------|
| R202 | 1-247-125-00 | CARBON | 560 5% 1/4W | R285 | 1-247-847-00 | CARBON | 4.7K 5% 1/6W |
| R203 | 1-247-721-11 | CARBON | 4.7K 5% 1/4W | R286 | 1-247-849-00 | CARBON | 5.6K 5% 1/6W |
| R204 | 1-247-721-11 | CARBON | 4.7K 5% 1/4W | R287 | 1-247-879-00 | CARBON | 100K 5% 1/6W |
| R205 | 1-247-153-00 | CARBON | 8.2K 5% 1/4W | R288 | 1-247-881-00 | CARBON | 120K 5% 1/6W |
| R206 | 1-247-869-00 | CARBON | 39K 5% 1/6W | R289 | 1-249-437-11 | CARBON | 47K 5% 1/6W |
| R207 | 1-247-143-00 | CARBON | 3.3K 5% 1/4W | R297 | 1-247-823-00 | CARBON | 470 5% 1/6W |
| R208 | 1-247-843-00 | CARBON | 3.3K 5% 1/6W | R298 | 1-247-823-00 | CARBON | 470 5% 1/6W |
| R209 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R301 | 1-247-135-00 | CARBON | 1.5K 5% 1/4W |
| R210 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R302 | 1-249-419-11 | CARBON | 1.5K 5% 1/6W |
| R211 | 1-247-135-00 | CARBON | 1.5K 5% 1/4W | R303 | 1-247-816-00 | CARBON | 240 5% 1/6W |
| R213 | 1-247-895-00 | CARBON | 470K 5% 1/6W | R304 | 1-249-429-11 | CARBON | 10K 5% 1/6W |
| R214 | 1-249-419-11 | CARBON | 1.5K 5% 1/6W | R305 | 1-247-823-00 | CARBON | 470 5% 1/6W |
| R216 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R306 | 1-247-823-00 | CARBON | 470 5% 1/6W |
| R217 | 1-247-831-00 | CARBON | 1K 5% 1/6W | R307 | 1-247-827-00 | CARBON | 680 5% 1/6W |
| R218 | 1-247-887-00 | CARBON | 220K 5% 1/6W | R308 | 1-247-847-00 | CARBON | 4.7K 5% 1/6W |
| R219 | 1-247-887-00 | CARBON | 220K 5% 1/6W | R319 | 1-247-713-11 | CARBON | 1K 5% 1/4W |
| R220 | 1-247-104-00 | CARBON | 75 5% 1/4W | R323 | 1-247-837-00 | CARBON | 1.8K 5% 1/6W |
| R221 | 1-247-708-11 | CARBON | 470 5% 1/4W | R324 | 1-247-825-00 | CARBON | 560 5% 1/6W |
| R222 | 1-247-873-00 | CARBON | 56K 5% 1/6W | R325 | 1-246-463-00 | CARBON | 390 5% 1/4W |
| R228 | 1-247-873-00 | CARBON | 56K 5% 1/6W | R326 | 1-247-877-00 | CARBON | 82K 5% 1/6W |
| R229 | 1-247-823-00 | CARBON | 470 5% 1/6W | R332 | 1-247-825-00 | CARBON | 560 5% 1/6W |
| R230 | 1-247-831-00 | CARBON | 1K 5% 1/6W | R333 | 1-247-849-00 | CARBON | 5.6K 5% 1/6W |
| R231 | 1-247-821-00 | CARBON | 390 5% 1/6W | R334 | 1-247-151-00 | CARBON | 6.8K 5% 1/4W |
| R232 | 1-247-688-11 | CARBON | 10 5% 1/4W | R335 | 1-249-437-11 | CARBON | 47K 5% 1/6W |
| R233 | 1-247-823-00 | CARBON | 470 5% 1/6W | R336 | 1-249-429-11 | CARBON | 10K 5% 1/6W |
| R234 | 1-247-877-00 | CARBON | 82K 5% 1/6W | R337 | 1-249-429-11 | CARBON | 10K 5% 1/6W |
| R235 | 1-247-903-00 | CARBON | 1M 5% 1/6W | R338 | 1-247-831-00 | CARBON | 1K 5% 1/6W |
| R236 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R339 | 1-247-831-00 | CARBON | 1K 5% 1/6W |
| R237 | 1-249-421-11 | CARBON | 2.2K 5% 1/6W | R340 | 1-247-821-00 | CARBON | 390 5% 1/6W |
| R238 | 1-247-837-00 | CARBON | 1.8K 5% 1/6W | R341 | 1-247-821-00 | CARBON | 390 5% 1/6W |
| R239 | 1-249-421-11 | CARBON | 2.2K 5% 1/6W | R342 | 1-247-903-00 | CARBON | 1M 5% 1/6W |
| R240 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R343 | 1-247-879-00 | CARBON | 100K 5% 1/6W |
| R242 | 1-249-429-11 | CARBON | 10K 5% 1/6W | R344 | 1-247-149-00 | CARBON | 5.6K 5% 1/4W |
| R243 | 1-247-861-00 | CARBON | 18K 5% 1/6W | R345 | 1-247-882-00 | CARBON | 130K 5% 1/6W |
| R244 | 1-249-460-11 | CARBON | 15K 5% 1/4W | R347 | 1-247-825-00 | CARBON | 560 5% 1/6W |
| R245 | 1-249-437-11 | CARBON | 47K 5% 1/6W | R348 | 1-247-827-00 | CARBON | 680 5% 1/6W |
| R247 | 1-247-137-00 | CARBON | 1.8K 5% 1/4W | R349 | 1-247-849-00 | CARBON | 5.6K 5% 1/6W |
| R248 | 1-247-713-11 | CARBON | 1K 5% 1/4W | R350 | 1-247-853-00 | CARBON | 8.2K 5% 1/6W |
| R249 | 1-247-137-00 | CARBON | 1.8K 5% 1/4W | R351 | 1-247-863-00 | CARBON | 22K 5% 1/6W |
| R251 | 1-247-807-00 | CARBON | 100 5% 1/6W | R352 | 1-247-837-00 | CARBON | 1.8K 5% 1/6W |
| R252 | 1-247-807-00 | CARBON | 100 5% 1/6W | R353 | 1-247-843-00 | CARBON | 3.3K 5% 1/6W |
| R253 | 1-247-807-00 | CARBON | 100 5% 1/6W | R354 | 1-247-883-00 | CARBON | 150K 5% 1/6W |
| R254 | 1-247-807-00 | CARBON | 100 5% 1/6W | R356 | 1-247-857-00 | CARBON | 12K 5% 1/6W |
| R255 | 1-247-143-00 | CARBON | 3.3K 5% 1/4W | R357 | 1-247-849-00 | CARBON | 5.6K 5% 1/6W |
| R256 | 1-247-143-00 | CARBON | 3.3K 5% 1/4W | R358 | 1-247-861-00 | CARBON | 18K 5% 1/6W |
| R257 | 1-247-104-00 | CARBON | 75 5% 1/4W | R359 | 1-247-859-00 | CARBON | 15K 5% 1/6W |
| R278 | 1-217-387-00 | FUSIBLE | 10 5% 1/4W F | R360 | 1-246-517-00 | CARBON | 68K 5% 1/4W |
| R279 | 1-217-387-00 | FUSIBLE | 10 5% 1/4W F | R362 | 1-247-717-11 | CARBON | 2.2K 5% 1/4W |
| R280 | 1-247-879-00 | CARBON | 100K 5% 1/6W | R364 | 1-249-421-11 | CARBON | 2.2K 5% 1/6W |
| R281 | 1-247-849-00 | CARBON | 5.6K 5% 1/6W | R365 | 1-247-857-00 | CARBON | 12K 5% 1/6W |
| R282 | 1-247-847-00 | CARBON | 4.7K 5% 1/6W | R366 | 1-247-717-11 | CARBON | 2.2K 5% 1/4W |
| R283 | 1-247-713-11 | CARBON | 1K 5% 1/4W | R367 | 1-247-815-00 | CARBON | 220 5% 1/6W |
| R284 | 1-247-107-00 | CARBON | 100 5% 1/4W F | R368 | 1-247-815-00 | CARBON | 220 5% 1/6W |

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| Ref.No. | Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | | | | Remark |
|---------|--------------|-------------|------|-----|------|--------|-------------------|--------------|--------------------------|------|-----|------|--------|
| R369 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | | R547 | 1-212-990-00 | FUSIBLE | 220 | 5% | 1/2W | F |
| R370 | 1-247-708-11 | CARBON | 470 | 5% | 1/4W | | R548 | 1-216-350-11 | METAL OXIDE | 1.2 | 5% | 1W | F |
| R371 | 1-247-807-00 | CARBON | 100 | 5% | 1/6W | | R549 | 1-247-807-00 | CARBON | 100 | 5% | 1/8W | F |
| R373 | 1-247-713-11 | CARBON | 1K | 5% | 1/4W | | R550 | 1-246-537-00 | CARBON | 470K | 5% | 1/4W | |
| R376 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | | R551 | 1-217-383-00 | FUSIBLE | 4.7 | 5% | 1/4W | F |
| R377 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | | R552 | 1-217-383-00 | FUSIBLE | 4.7 | 5% | 1/4W | F |
| R378 | 1-247-861-00 | CARBON | 18K | 5% | 1/6W | | R553 | 1-210-859-00 | CARBON | 1.2 | 5% | 1/8W | F |
| R379 | 1-247-864-00 | CARBON | 24K | 5% | 1/6W | | R554 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R380 | 1-247-877-00 | CARBON | 82K | 5% | 1/6W | | R555 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/6W | |
| R382 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | | R556 | 1-216-350-11 | METAL OXIDE | 1.2 | 5% | 1W | F |
| R383 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | | R557 | 1-247-819-00 | CARBON | 330 | 5% | 1/6W | |
| R385 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | | R558 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W | |
| R386 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | | R559 | 1-247-143-00 | CARBON | 3.3K | 5% | 1/4W | |
| R387 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | | R560 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/6W | |
| R390 | 1-247-173-00 | CARBON | 56K | 5% | 1/4W | | R571 | 1-247-889-00 | CARBON | 270K | 5% | 1/6W | |
| R504 | 1-247-841-00 | CARBON | 2.7K | 5% | 1/6W | | R572 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | |
| R505 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | | R573 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W | |
| R506 | 1-247-833-00 | CARBON | 1.2K | 5% | 1/6W | | R574 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W | |
| R507 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | | R575 | 1-247-177-00 | CARBON | 82K | 5% | 1/4W | |
| R508 | 1-215-461-00 | METAL | 47K | 1% | 1/6W | | R578 | 1-247-704-11 | CARBON | 220 | 5% | 1/4W | |
| R509 | 1-215-477-00 | METAL | 220K | 1% | 1/6W | | R591 | 1-247-725-11 | CARBON | 10K | 5% | 1/4W | |
| R510 | 1-247-851-00 | CARBON | 6.8K | 5% | 1/6W | | R592 | 1-247-153-00 | CARBON | 8.2K | 5% | 1/4W | |
| R511 | 1-247-805-00 | CARBON | 82 | 5% | 1/6W | | R593 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W | |
| R512 | 1-247-829-00 | CARBON | 820 | 5% | 1/6W | | R594 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W | |
| R513 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | | R595 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W | |
| R514 | 1-247-831-00 | CARBON | 1K | 5% | 1/6W | | R596 | 1-247-843-00 | CARBON | 3.3K | 5% | 1/6W | |
| R515 | 1-247-700-11 | CARBON | 100 | 5% | 1/4W | | R597 | 1-247-145-00 | CARBON | 3.9K | 5% | 1/4W | |
| R516 | 1-247-717-11 | CARBON | 2.2K | 5% | 1/4W | | R598 | 1-247-849-00 | CARBON | 5.6K | 5% | 1/6W | |
| R517 | 1-246-511-00 | CARBON | 39K | 5% | 1/4W | | R599 | 1-247-815-00 | CARBON | 220 | 5% | 1/6W | |
| R520 | 1-214-765-00 | METAL | 33K | 1% | 1/4W | | R801 | 1-216-345-11 | METAL OXIDE | 0.47 | 5% | 1W | F |
| R521 | 1-216-464-11 | METAL OXIDE | 18K | 5% | 2W | F | R802 | 1-247-137-00 | CARBON | 1.8K | 5% | 1/4W | |
| R522 | 1-247-883-00 | CARBON | 150K | 5% | 1/6W | | R803 | 1-247-803-00 | CARBON | 68 | 5% | 1/6W | |
| R523 | 1-247-807-00 | CARBON | 100 | 5% | 1/8W | F | R804 | 1-215-871-11 | METAL OXIDE | 2.2K | 5% | 1W | F |
| R524 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W | F | R805 | 1-215-866-11 | METAL OXIDE | 330 | 5% | 1W | F |
| R525 | 1-247-795-00 | CARBON | 33 | 5% | 1/8W | F | R806 | 1-202-838-00 | SOLID | 100K | 10% | 1/2W | |
| R526 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/6W | | R807 | 1-202-818-00 | SOLID | 1K | 10% | 1/2W | |
| R527 | 1-247-783-00 | CARBON | 10 | 5% | 1/8W | F | R808 | 1-202-826-00 | SOLID | 4.7K | 10% | 1/2W | |
| R528 | 1-247-161-00 | CARBON | 18K | 5% | 1/4W | | R809 | 1-244-931-00 | CARBON | 270K | 5% | 1/2W | |
| R529 | 1-247-711-11 | CARBON | 680 | 5% | 1/4W | | R810 | 1-210-859-00 | CARBON | 1.2 | 5% | 1/8W | F |
| R530 | 1-247-891-00 | CARBON | 330K | 5% | 1/6W | | R811 | 1-249-448-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R531 | 1-246-463-00 | CARBON | 390 | 5% | 1/4W | | R812 | 1-247-270-00 | CARBON | 18K | 5% | 1/2W | |
| R532 | 1-247-143-00 | CARBON | 3.3K | 5% | 1/4W | | R813 | 1-215-883-11 | METAL OXIDE | 33 | 5% | 2W | F |
| R533 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W | | R814 | 1-246-537-00 | CARBON | 470K | 5% | 1/4W | |
| R534 | 1-247-787-00 | CARBON | 15 | 5% | 1/6W | | R815 | 1-216-455-11 | METAL OXIDE | 560 | 5% | 2W | F |
| R535 | 1-247-783-00 | CARBON | 10 | 5% | 1/6W | | R817 | 1-216-378-11 | METAL OXIDE | 5.6 | 5% | 2W | F |
| R536 | 1-216-354-11 | METAL OXIDE | 2.7 | 5% | 1W | F | R820 | 1-215-884-11 | METAL OXIDE | 47 | 5% | 2W | F |
| R537 | 1-247-879-00 | CARBON | 100K | 5% | 1/6W | | R825 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W | F |
| R538 | 1-247-754-11 | CARBON | 1.5K | 5% | 1/2W | F | R826 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W | F |
| R539 | 1-247-877-00 | CARBON | 82K | 5% | 1/6W | | VARIABLE RESISTOR | | | | | | |
| R540 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | | RV301 | 1-228-720-00 | RES, ADJ, CERAMIC CARBON | 1K | | | |
| R541 | 1-247-823-00 | CARBON | 470 | 5% | 1/6W | | RV302 | 1-228-724-00 | RES, ADJ, CERAMIC CARBON | 10K | | | |
| R543 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W | | RV303 | 1-228-725-00 | RES, ADJ, CERAMIC CARBON | 22K | | | |
| R544 | 1-202-463-92 | SOLID | 2.2M | 10% | 1/4W | | | | | | | | |

KV-2264EC
RM-635

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H1

H2

J1

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|---------------|-----------------------------|--------|---------|---------------|---------------------------------|--------|
| RV501 | 1-226-776-00 | RES, ADJ, METAL GLAZE 220K | | RV403 | 1-228-578-00 | RES, VAR, CARBON 10K | |
| RV502 | 1-226-775-00 | RES, ADJ, METAL GLAZE 100K | | RV404 | 1-228-578-00 | RES, VAR, CARBON 10K | |
| RV503 | 1-230-522-11 | RES, ADJ, METAL GLAZE 4.7K | | | | | |
| RV558 | 1-228-720-00 | RES, ADJ, CERAMIC CARBON 1K | | | | | |
| | | <u>SPARK GAP</u> | | | | <u>SWITCH</u> | |
| SG801 | 1-519-063-XX | DISCHARGING GAP | | SW401 | 1-554-118-00 | SWITCH, PUSH (1 KEY) | |
| | | <u>TRANSFORMER</u> | | SW407 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| T301 | 1-426-121-00 | DAT | | SW408 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| T801 | 1-437-090-00 | HDT | | SW411 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| T802 | 1-439-331-41 | TRANSFORMER ASSY, FLYBACK | | SW412 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| T891 | 1-421-245-11 | TRANSFORMER, PZN CUSHION | | SW413 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| | | <u>THERMISTOR</u> | | SW414 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| TH501 | 1-806-213-00 | THERMISTOR | | SW415 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| | | <u>CRYSTAL</u> | | SW416 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| X301 | 1-527-789-00 | VINRATOR, CRYSTAL | | SW417 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| | | ***** | | SW418 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| | | *1-612-976-21 H1 BOARD | | SW419 | 1-553-329-00 | SWITCH, PUSH (MONO KEY) | |
| | | ***** | | | | ***** | |
| | | <u>CAPACITOR</u> | | | | *1-612-977-21 H2 BOARD | |
| C401 | 1-123-617-00 | ELECT 10MF 20% 16V | | | | ***** | |
| C403 | 1-123-616-00 | ELECT 4.7MF 20% 25V | | | | *4-373-201-01 COVER, LED HOLDER | |
| | | <u>DIODE</u> | | | | *4-373-202-01 HOLDER, LED | |
| D401 | 8-719-911-19 | DIODE 1SS119 | | | | <u>DIODE</u> | |
| D402 | 8-719-911-19 | DIODE 1SS119 | | LED401 | 8-719-908-08 | DIODE SL-1274 | |
| D403 | 8-719-911-19 | DIODE 1SS119 | | | *1-526-638-00 | SOCKET, IC (9P); LED401 | |
| D404 | 8-719-911-19 | DIODE 1SS119 | | LED402 | 8-719-903-11 | DIODE GL-9PR24 | |
| D405 | 8-719-911-19 | DIODE 1SS119 | | LED404 | 8-719-903-11 | DIODE GL-9PR24 | |
| | | <u>DIODE</u> | | LED405 | 8-719-903-11 | DIODE GL-9PR24 | |
| D406 | 8-719-911-19 | DIODE 1SS119 | | LED406 | 8-719-903-11 | DIODE GL-9PR24 | |
| D407 | 8-719-911-19 | DIODE 1SS119 | | | | <u>RESISTOR</u> | |
| D409 | 8-719-911-19 | DIODE 1SS119 | | R407 | 1-247-813-00 | CARBON 180 5% 1/6W | |
| | | <u>CONNECTOR</u> | | R412 | 1-247-813-00 | CARBON 180 5% 1/6W | |
| H4 | *1-560-278-00 | PLUG, CONNECTOR 9P | | | | ***** | |
| H5 | *1-560-278-00 | PLUG, CONNECTOR 6P | | | | *1-614-116-11 J1 BOARD | |
| H6 | *1-560-278-00 | PLUG, CONNECTOR 8P | | | | ***** | |
| | | <u>RESISTOR</u> | | | | <u>JACK</u> | |
| R401 | 1-247-847-00 | CARBON 4.7K 5% 1/6W | | CN901 | 1-507-657-00 | JACK (LARGE TYPE) | |
| R402 | 1-247-847-00 | CARBON 4.7K 5% 1/6W | | | | <u>CONNECTOR</u> | |
| R405 | 1-247-849-00 | CARBON 5.6K 5% 1/6W | | J1 | *1-560-126-00 | PLUG, CONNECTOR (2.5MM PITCH) | |
| R406 | 1-247-849-00 | CARBON 5.6K 5% 1/6W | | | | <u>RESISTOR</u> | |
| | | <u>VARIABLE RESISTOR</u> | | R901 | 1-247-708-11 | CARBON 470 5% 1/4W | |
| RV401 | 1-228-578-00 | RES, VAR, CARBON 10K | | R902 | 1-247-708-11 | CARBON 470 5% 1/4W | |
| RV402 | 1-228-578-00 | RES, VAR, CARBON 10K | | | | | |

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description | Remark |
|------------------------|----------------|----------------------------------|--------|
| MISCELLANEOUS ***** | | | |
| | 1-246-513-00 | RES, CARBON 47K | |
| | △ 1-426-042-42 | COIL, DEGAUSSING | |
| | △ 1-451-242-31 | DEFLECTION YOKE (SY-88S) | |
| | 1-452-032-00 | MAGNET, DISK; 10MM Ø | |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM Ø | |
| | 1-452-146-21 | MAGNET, BMC | |
| | △ 1-452-316-11 | CRT NECK ASSY (NA291) | |
| | 1-543-179-00 | CORE, RING | |
| | △ 1-551-270-31 | CORD, POWER | |
| | △ 1-557-098-11 | SOCKET, PAL ANTENNA (WITH CABLE) | |
| RV901 | △ 1-226-733-13 | RESISTOR ASSY, HIGH-VOLTAGE | |
| S901 | △ 1-554-762-11 | SWITCH, PUSH (AC POWER)(1 KEY) | |
| SP901 | 1-503-417-11 | SPEAKER (WOOFER) | |
| SP902 | 1-503-314-11 | SPEAKER (TWEETER) | |
| SP903 | 1-503-417-11 | SPEAKER (WOOFER) | |
| SP904 | 1-503-314-11 | SPEAKER (TWEETER) | |
| V901 | △ 8-737-451-05 | CRT (A53JBW02X) | |

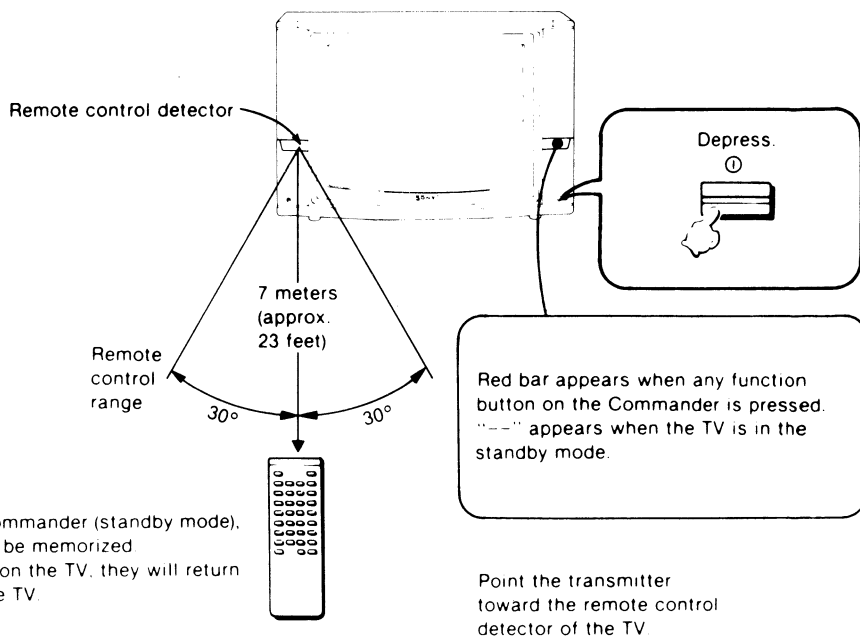
ACCESSORIES AND PACKING MATERIALS

| Part No. | Description | Remark |
|---------------|-------------------------|--------|
| A-1470-625-A | COMMANDER ASSY (RM-635) | |
| 4-312-246-00 | BAG, PROTECTION | |
| *4-373-282-01 | CUSHION (UPPER) (ASSY) | |
| *4-373-283-01 | INDIVIDUAL CARTON | |
| *4-373-286-01 | CUSHION (LOWER) | |
| 4-482-107-11 | MANUAL, INSTRUCTION | |
| 4-482-107-81 | MANUAL, INSTRUCTION | |

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

SECTION 5 REMOTE COMMANDER

5-1. REMOTE TV OPERATION



If the TV is turned off with the Remote Commander (standby mode), the picture, color and sound settings will be memorized.
If the TV is turned off with the ① switch on the TV, they will return to the levels fixed with the controls of the TV.

FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

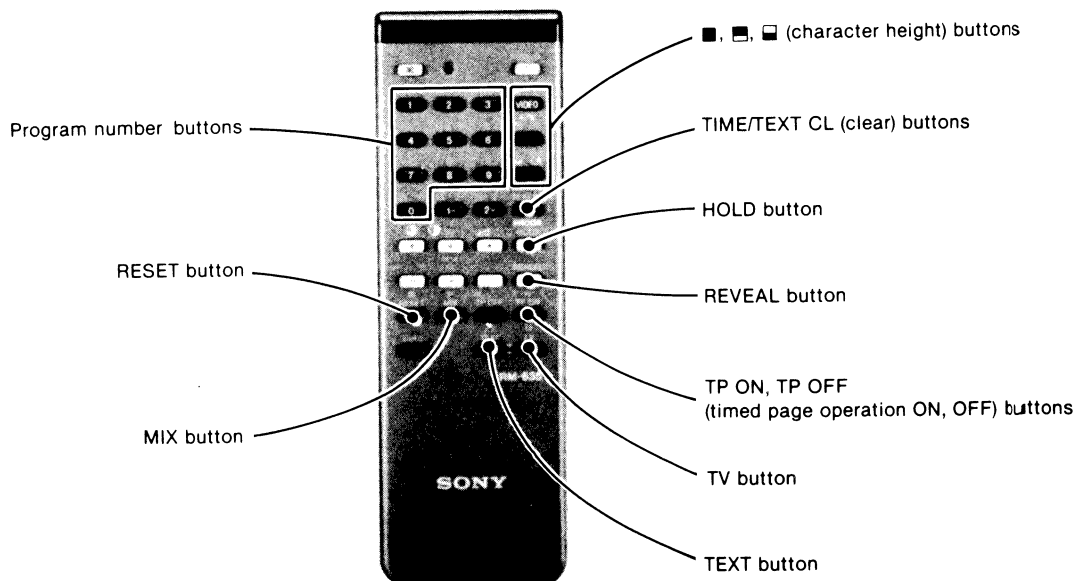
Each button has different functions for normal TV, teletext and VTR operations.
Functions for operating the TV are indicated **in white or black**.
Functions for operating the video tape recorder* are indicated **in brown**.

Functions for teletext operation using the optional OPK-203 teletext adaptor are indicated **in green**.

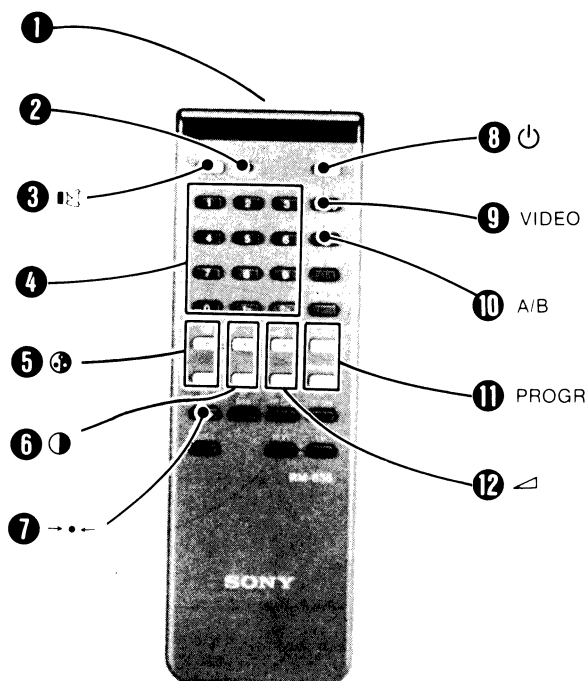
* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.

Buttons used for teletext operations

The following functions are for operating the TV as a teletext display by installing the optional Sony OPK-203 teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.



Buttons used for normal TV operation



1 Transmitter

Point towards the remote control detector.

2 Pilot lamp

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

3 (sound mute) button

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

4 Program number buttons

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button.

For programs 10 through 19, press the [1-] button (the tens-digit "1" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example:

for program 10, press [1-] and [0].
for program 11, press [1-] and [1].

For programs 20 to 29, press the [2-] button and then the single-digit button.

For program 30, press the [0] button.

Note: If you do not press a single-digit button within several seconds after pressing the [1-] or [2-] button, the previous program setting will be automatically recalled.

5 (color) buttons

Adjust the color intensity. Press the + button to increase it, or the - button to decrease it.

6 (picture) buttons

Press the + button to increase the picture contrast, or the - button to decrease it.

7 (normal) button

Press this button once instantly returns the color and contrast settings made with the 5 and 6 buttons on the Commander to the factory preset levels.

8 (standby) switch

Turns the TV in standby mode. Program indicator will show "--". To turn on the TV from the standby mode, press a program number button or → button on the Commander.

9 VIDEO button

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

10 A/B button

This button is not usable for this TV.

11 PROGR (program) buttons

Function the same as the PROGR buttons on the TV.

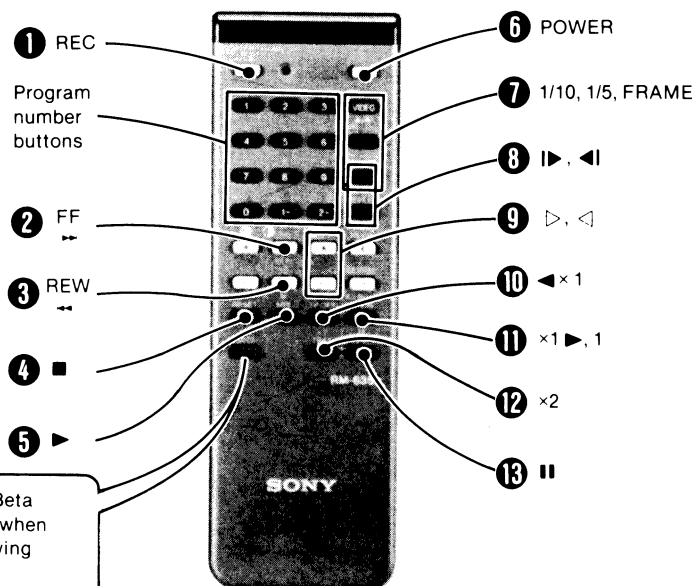
12 (volume) buttons

Press the + button to increase the volume, or the - button to decrease it.

Buttons used for VTR operations

To operate the VTR, point the transmitter toward the remote control detector of the VTR (SL-C9 series) or the tuner timer unit (TT-F1 series).

Always keep this Beta button depressed, when pressing the following buttons.



Buttons which have the same functions for both SL-C9 series and SL-F1E

1 REC (record) button

Press to start recording.

2 FF (fast-forward) button

Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

3 REW (rewind) button

Press to rewind the tape. This button is also used for the reverse picture-search operation.

4 ■ (stop) button

Press to stop the tape.

5 ► (play) button

Press to play the tape back.

6 POWER switch

Press to turn the video tape recorder (and the tuner timer unit) on or off.

12 x2 (double-speed) button

Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.

13 || (pause) button

Functions the same as the || PAUSE button on the SL-C9 series and the PAUSE button on the SL-F1E. To release the pause mode, press this button again.

Buttons used for the SL-C9 series

7 Speed control buttons (1/10, 1/5, FRAME)

Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

8 ► (forward) and ◀ (reverse) buttons

Select the direction of the speed control playback. Function the same as the ► and ◀ buttons of the SPEED CONTROL buttons on the recorder.

11 1 (normal speed) button

Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

Buttons used for the SL-F1E

8 ► (forward slow motion) and ◀ (reverse slow motion) buttons

Function the same as the ► and ◀ SWING SEARCH buttons on the SL-F1E.

10 ◀ x1 (reverse) button and

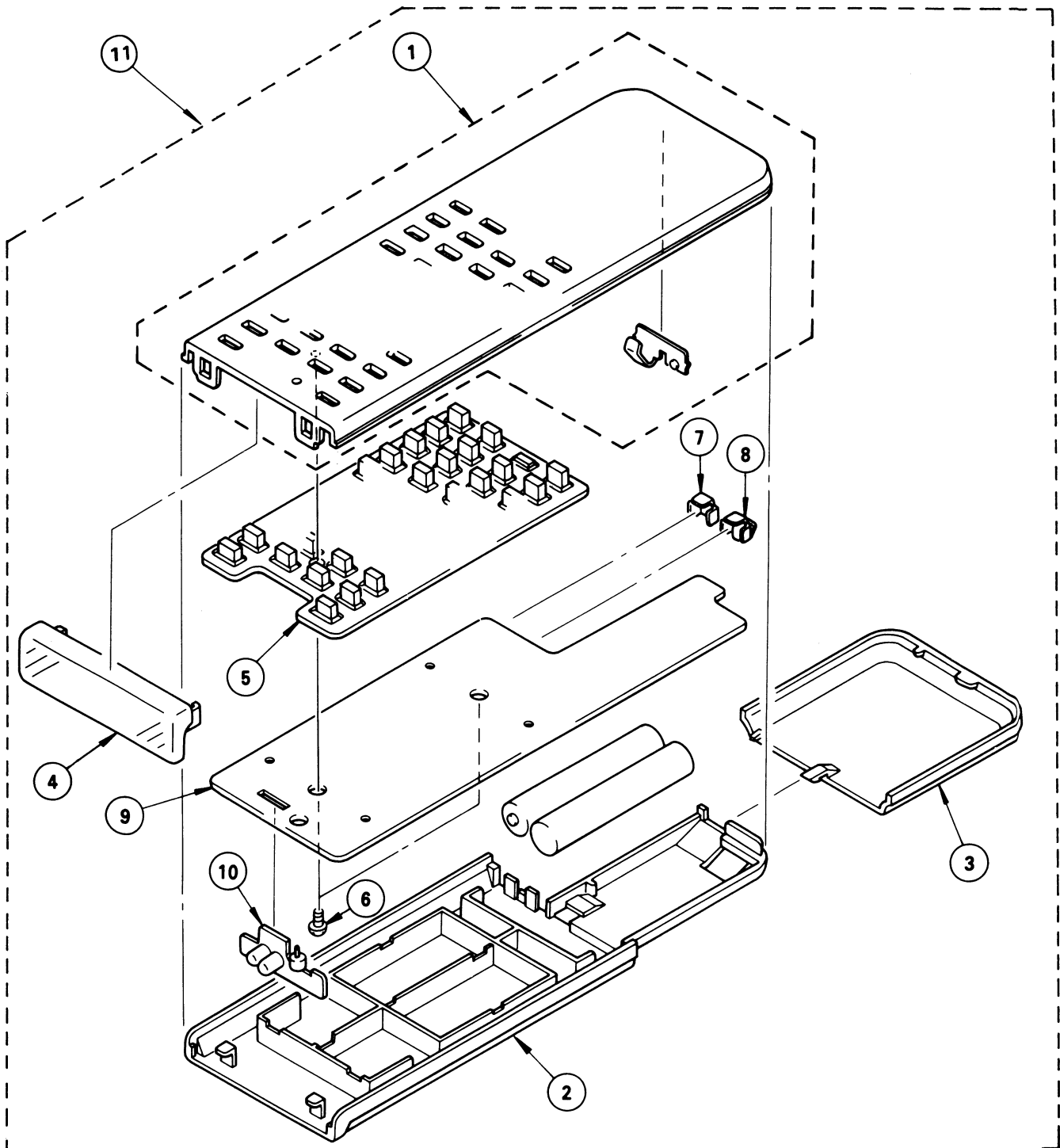
11 x1 ► (forward) button

Function the same as the ◀ and ► SWING SEARCH buttons on the SL-F1E.

5-2. EXPLODED VIEW

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|--------------|------------------------------|--------|-----|----------------|---------------------------|--------|
| 1 | X-4362-211-0 | CASE (UPPER) ASSY, COMMANDER | | 6 | 4-356-741-00 | SCREW, TAPPING (BIND 2X5) | |
| 2 | 4-361-948-00 | CASE (LOWER), COMMANDER | | 7 | 4-348-542-00 | TERMINAL (A), BATTERY | |
| 3 | 4-361-945-00 | COVER, BATTERY | | 8 | 4-348-543-00 | TERMINAL (B), BATTERY | |
| 4 | 4-361-943-00 | PANEL, FRONT, COMMANDER | | 9 | *:1-614-569-11 | R1 BOARD | |
| 5 | 4-361-944-21 | SHEET, RUBBER | | 10 | *:1-614-570-11 | R2 BOARD | |
| | | | | 11 | A-1470-625-A | COMMANDER ASSY (RM-635) | |

R1 R2

5-3. ELECTRICAL PARTS LIST

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.


CAPACITORS
• MF : μ F, PF : $\mu\mu$ F
RESISTORS
• All resistors are in ohms
• F : nonflammable


| Ref.No. | Part No. | Description | Remark |
|---------|---------------|-----------------------|--------|
| | *1-614-569-11 | R1 BOARD ***** | |
| | 4-348-542-00 | TERMINAL (A), BATTERY | |
| | 4-348-543-00 | TERMINAL (B), BATTERY | |
| | | CAPACITOR | |
| C1 | 1-161-315-00 | CERAMIC 220PF 10% 50V | |
| C2 | 1-161-315-00 | CERAMIC 220PF 10% 50V | |
| | | FILTER | |
| CF1 | 1-527-476-00 | OSCILLATOR, CERAMIC | |
| | | IC | |
| IC1 | 8-759-600-07 | IC M50119P | |
| | | TRANSISTOR | |
| Q1 | 8-729-378-84 | TRANSISTOR 2SD788 | |
| ***** | | | |
| | *1-614-570-11 | R2 BOARD ***** | |
| | | DIODE | |
| D1 | 8-719-900-23 | DIODE GL-2AR1 | |
| D2 | 8-719-107-82 | DIODE SE303AY | |
| | | RESISTOR | |
| R2 | 1-247-791-00 | CARBON 22 5% 1/6W | |
| R3 | 1-247-767-00 | CARBON 2.2 5% 1/6W | |








SONY
TRINITRON® COLOR TV

KV-2264EC
AEP Model

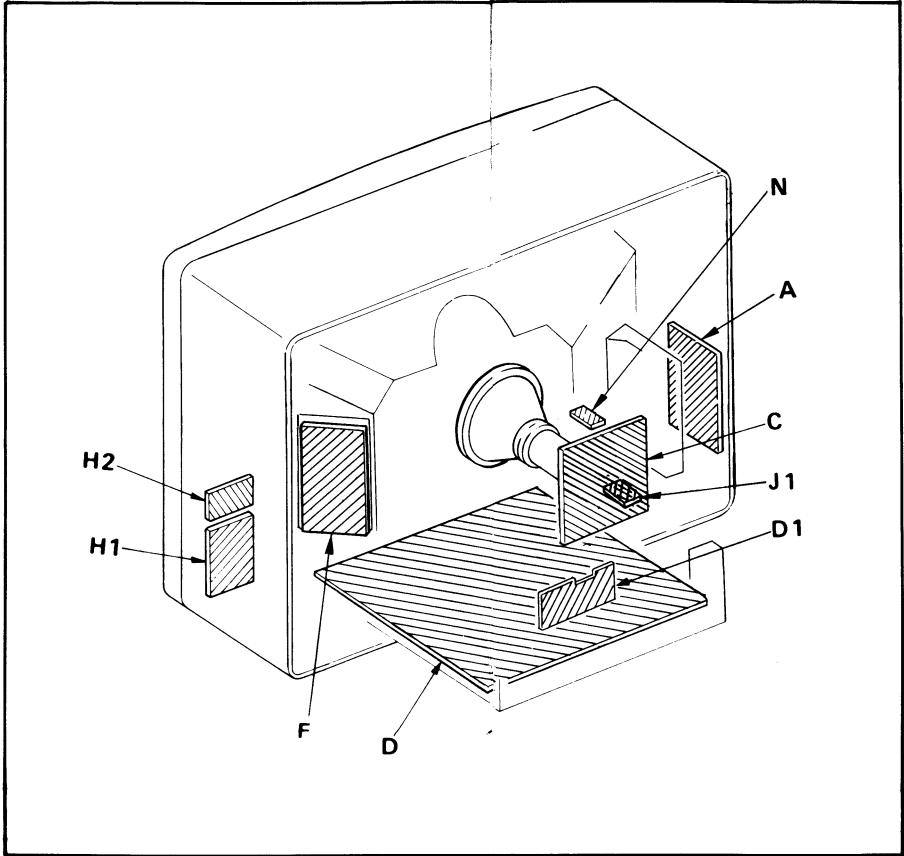
Chassis No. SCC-699A-A
RX CHASSIS

SAFETY-RELATED COMPONENT WARNING !!
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

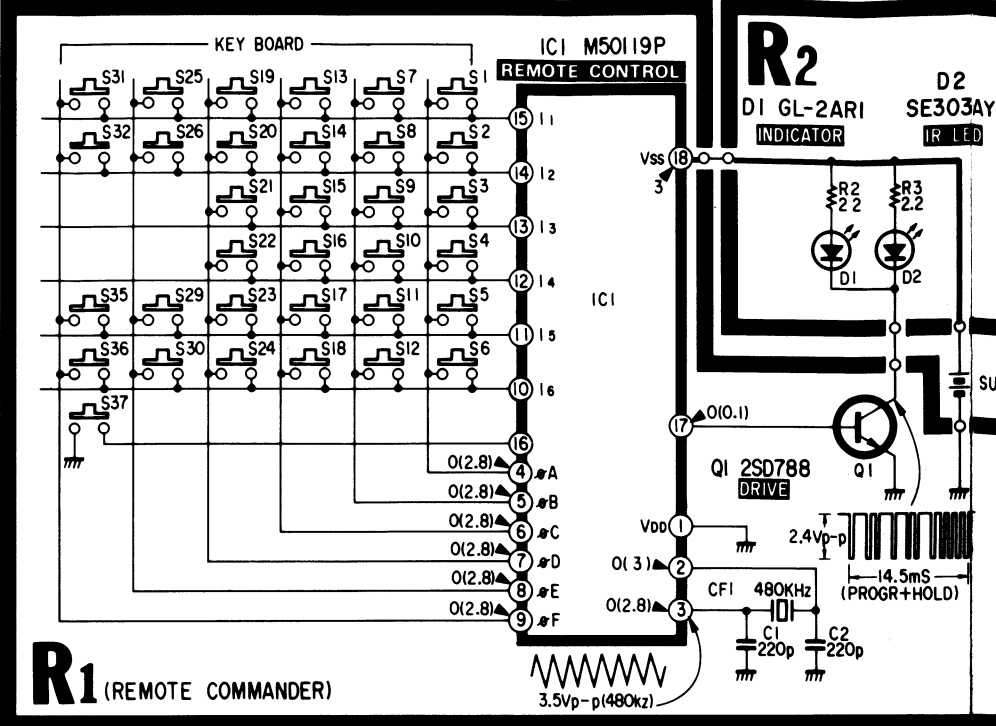
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted. p: μpF . 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
-  : nonflamable resistor.
-  : fusible resistor
- Δ : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
-  : adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
-  : B + bus.
-  : B - bus.
-  : signal path.
















CIRCUIT BOARDS LOCATION

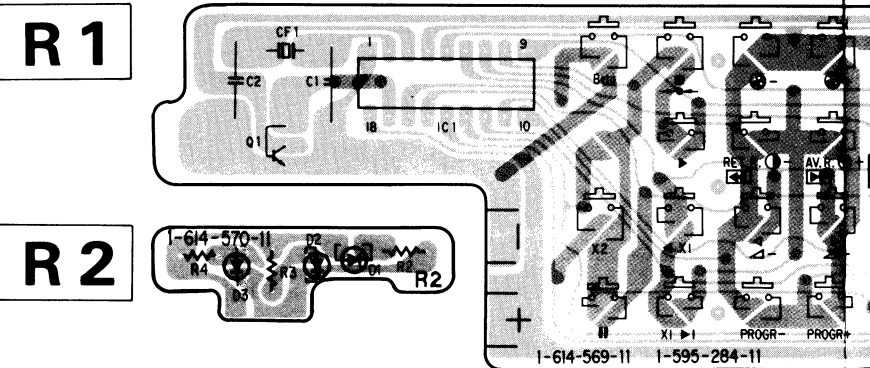


REMOTE COMMANDER RM-635




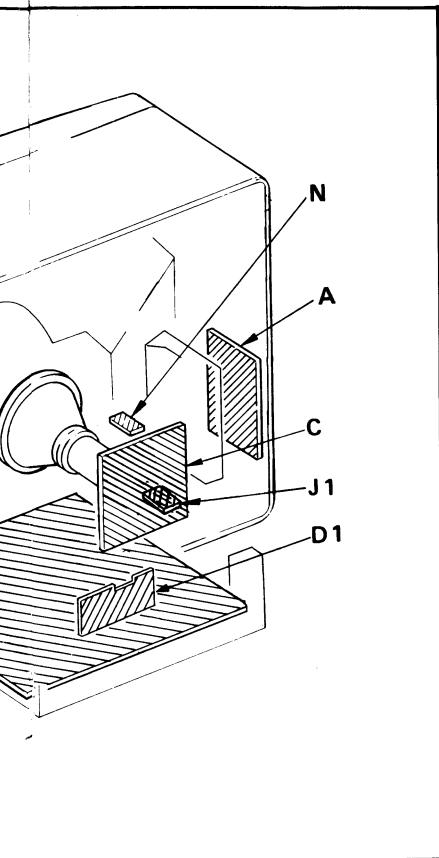
KEY MATRIX

| | A | B | C | D | E | F |
|----|--|--|---|---------------|---|---|
| 11 | S1 1 | S7 2 | S13 3 | S19 1- | S25  | S31  |
| 12 | S2 4 | S8 5 | S14 6 | S20 2- | S26 X2 | S32  |
| 13 | S3 7 | S9 8 | S15 9 | S21 VIDEO I/O | S27 | S33 |
| 14 | S4 0 | S10 X1  | S16  | S22 1/5 | S28 | S34 |
| 15 | S5  | S11  | S17  | S23 PROGR + | S29  | S35  |
| 16 | S6  | S12  | S18  | S24 PROGR - | S30  | S36  |
| | | | | | | S37 Beta |

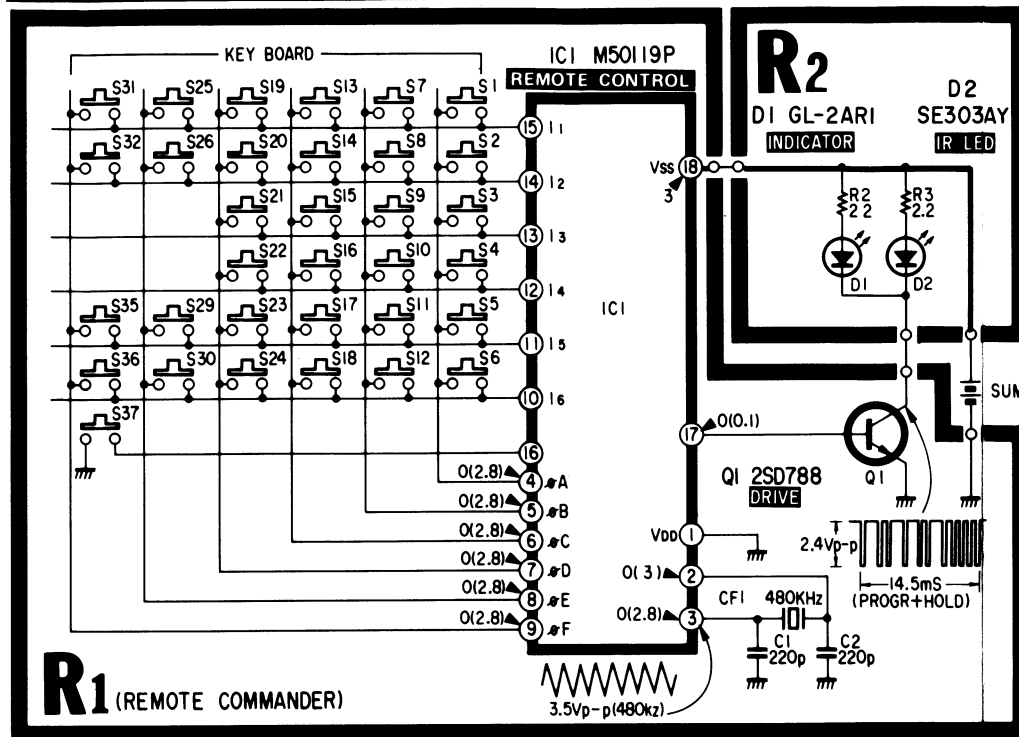


- Note:**
- All capacitors are in μF unless otherwise noted. p: μpF . 50WV or less are not indicated except for electrolytics.
 - All resistors are in ohms, 1/6W unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
 - All voltages are in V.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Reading are taken with a 10 M Ω digital multimeter.

- Voltages and waveform pressed.
- Voltages in () are taken.
- Voltage variations may be noted due to normal production tolerances.
-  : B + bus.



REMOTE COMMANDER RM-635

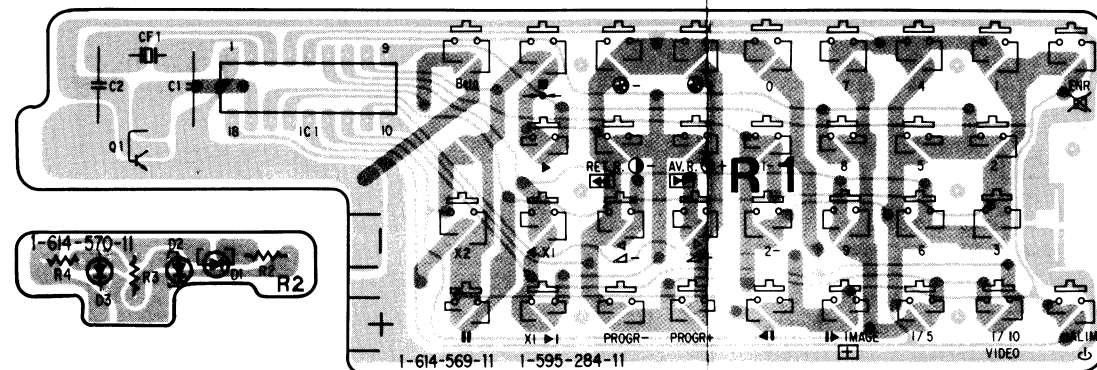


KEY MATRIX

| | A | B | C | D | E | F |
|----|------|----------|----------|---------------|---------|-------------|
| 11 | S1 1 | S7 2 | S13 3 | S19 1 - | S25 II | S31 |
| 12 | S2 4 | S8 5 | S14 6 | S20 2 - | S26 X2 | S32 |
| 13 | S3 7 | S9 8 | S15 9 | S21 VIDEO I/O | S27 | S33 |
| 14 | S4 0 | S10 XI ► | S16 ◀ XI | S22 1/5 | S28 | S34 |
| 15 | S5 + | S11 ◀ + | S17 ◐ + | S23 PROGR + | S29 ► | S35 ► FRAME |
| 16 | S6 - | S12 ◐ - | S18 ◐ - | S24 PROGR - | S30 ◐ ◐ | S36 ► |
| | | | | | | S37 Beta |

R1

R2



Note:

- All capacitors are in μF unless otherwise noted. p : μF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
 $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Reading are taken with a 10 $M\Omega$ digital multimeter.

- Voltages and waveform are for when 1 button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.

M50119P

2SD773

2SC1474
2SD788

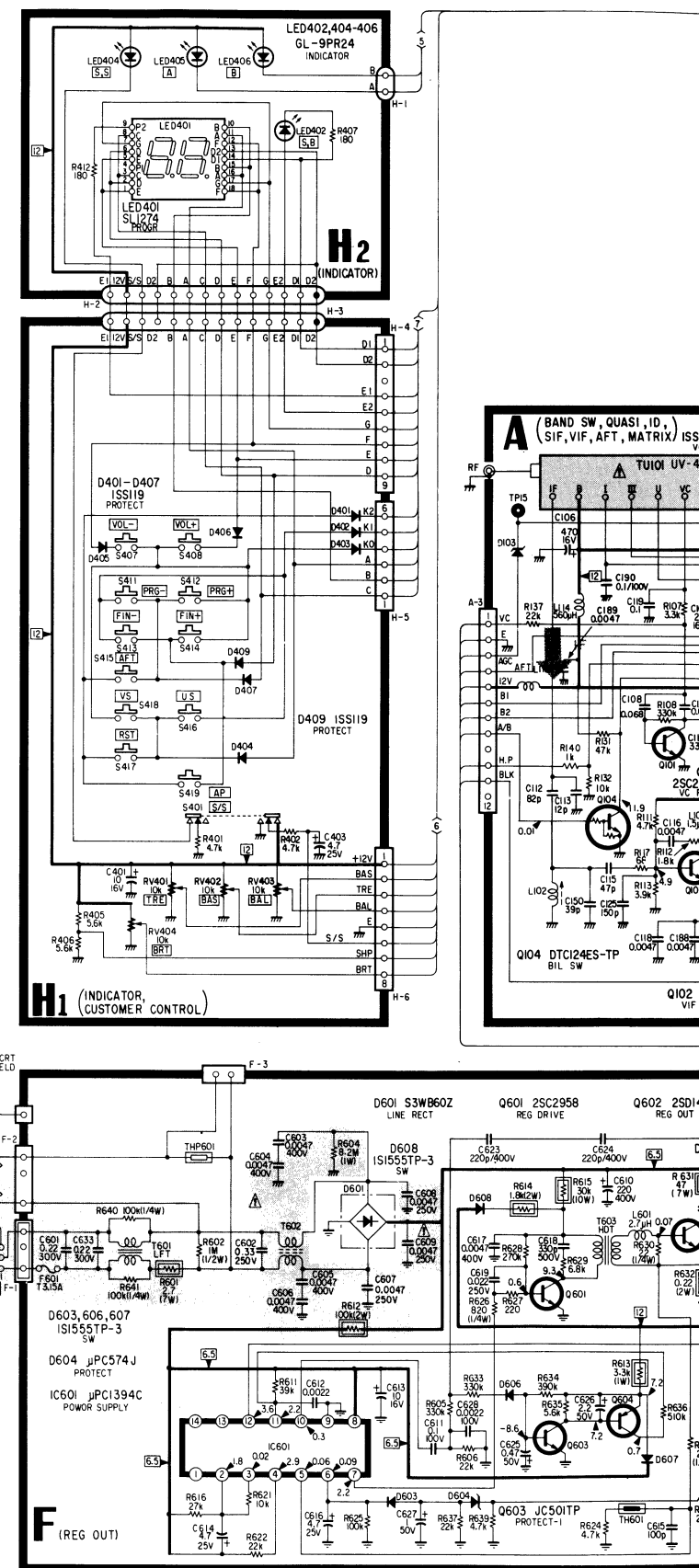
GL2AR1

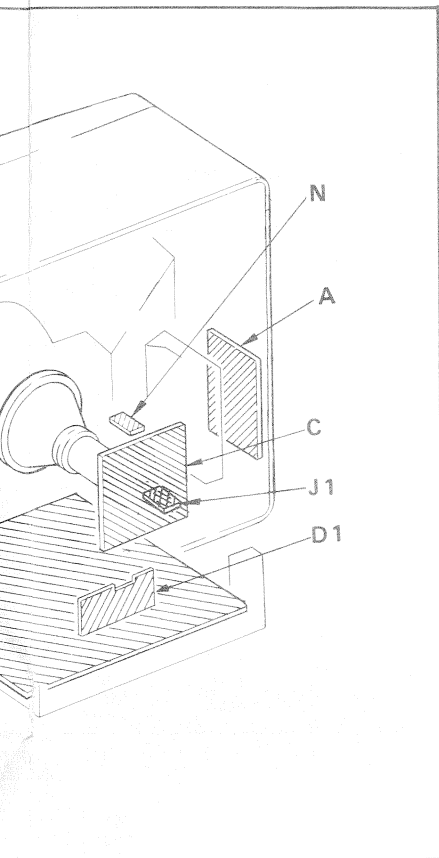
SE303AY

SLP144B

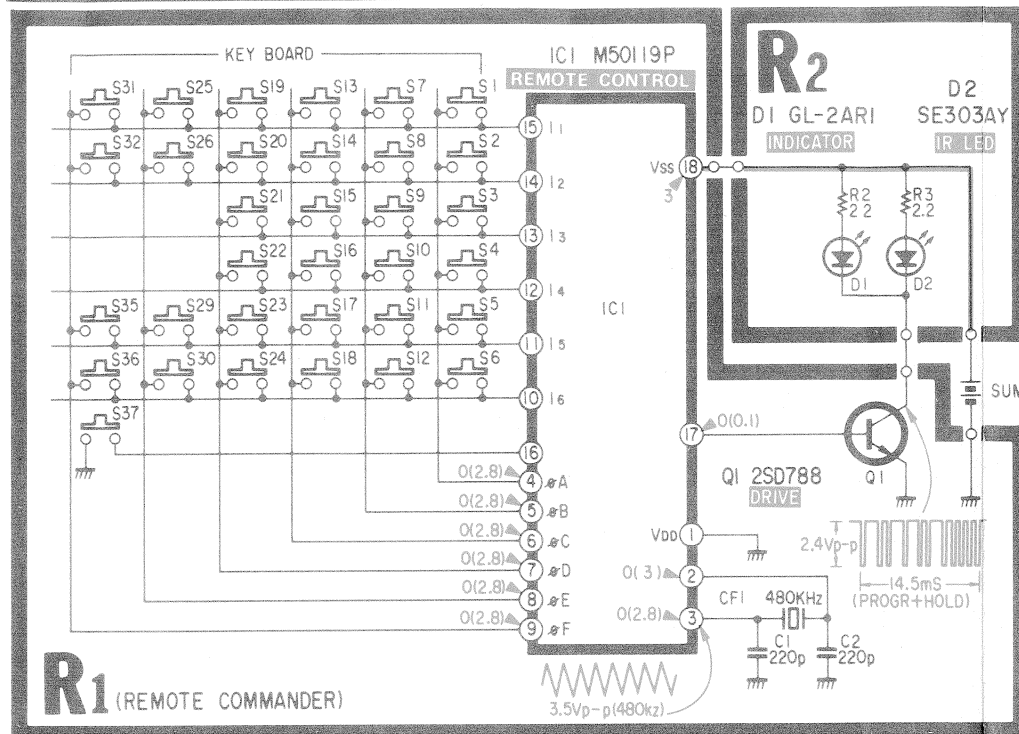
SLR-932F

SCHEMATIC DIAGRAM



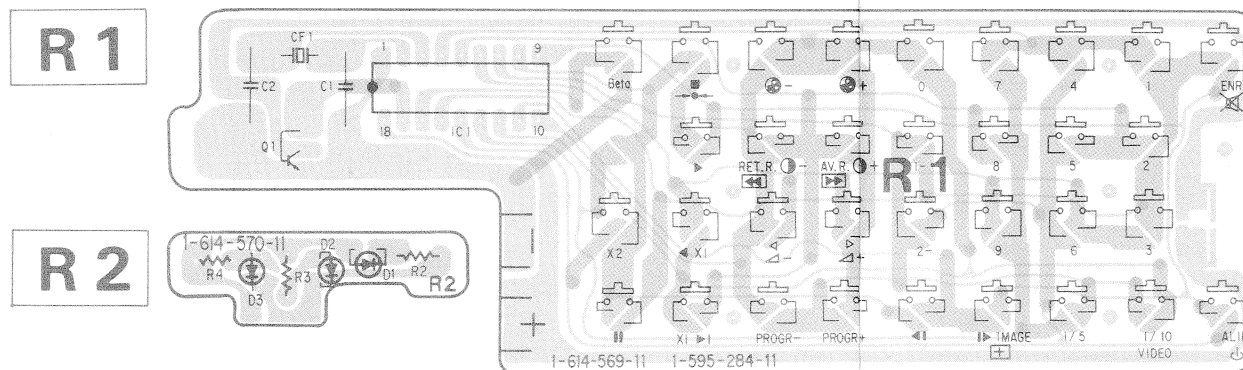


REMOTE COMMANDER RM-635



KEY MATRIX

| | A | B | C | D | E | F |
|----|------|--------|--------|---------------|--------|----------|
| 11 | S1 1 | S7 2 | S13 3 | S19 1- | S25 11 | S31 12 |
| 12 | S2 4 | S8 5 | S14 6 | S20 2- | S26 X2 | S32 13 |
| 13 | S3 7 | S9 8 | S15 9 | S21 VIDEO I/O | S27 | S33 |
| 14 | S4 0 | S10 X1 | S16 X1 | S22 1/5 | S28 | S34 |
| 15 | S5 + | S11 + | S17 + | S23 PROGR + | S29 | S35 |
| 16 | S6 - | S12 - | S18 - | S24 PROGR - | S30 | S36 |
| | | | | | | S37 Beta |

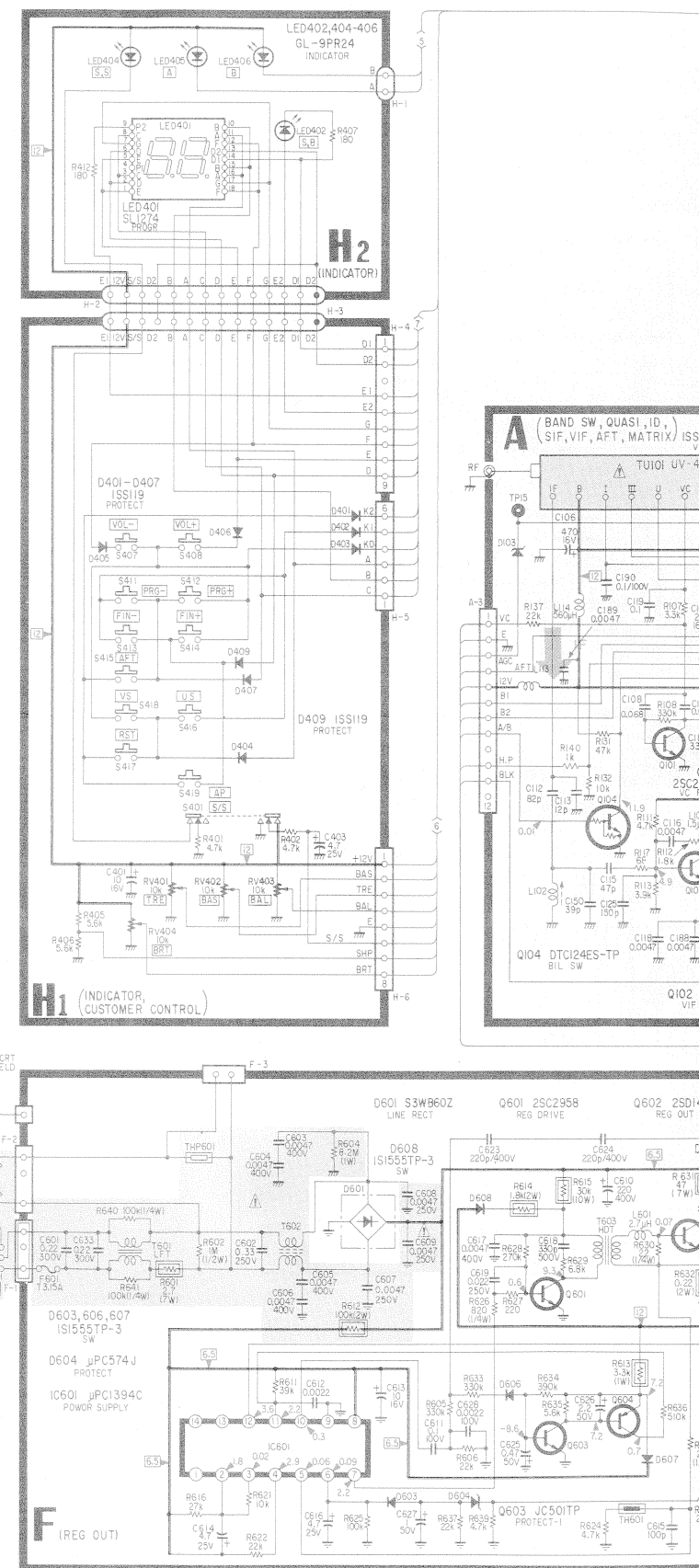


Note:

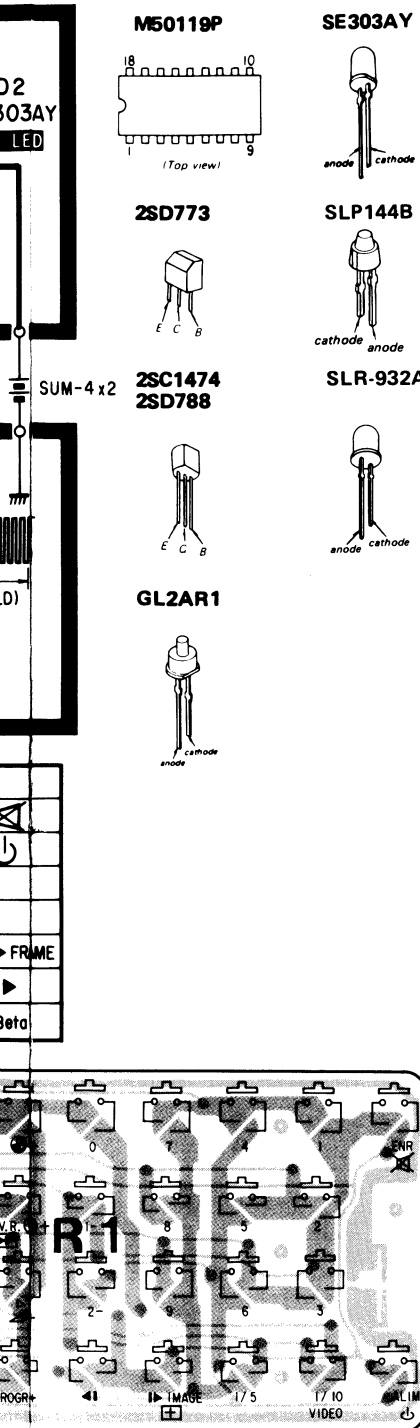
- All capacitors are in μF unless otherwise noted. p : μF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
k Ω = 1000 Ω , M Ω = 1000k Ω
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Reading are taken with a 10 M Ω digital multimeter.

- Voltages and waveform are for when 1 button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.

SCHEMATIC DIAGRAM



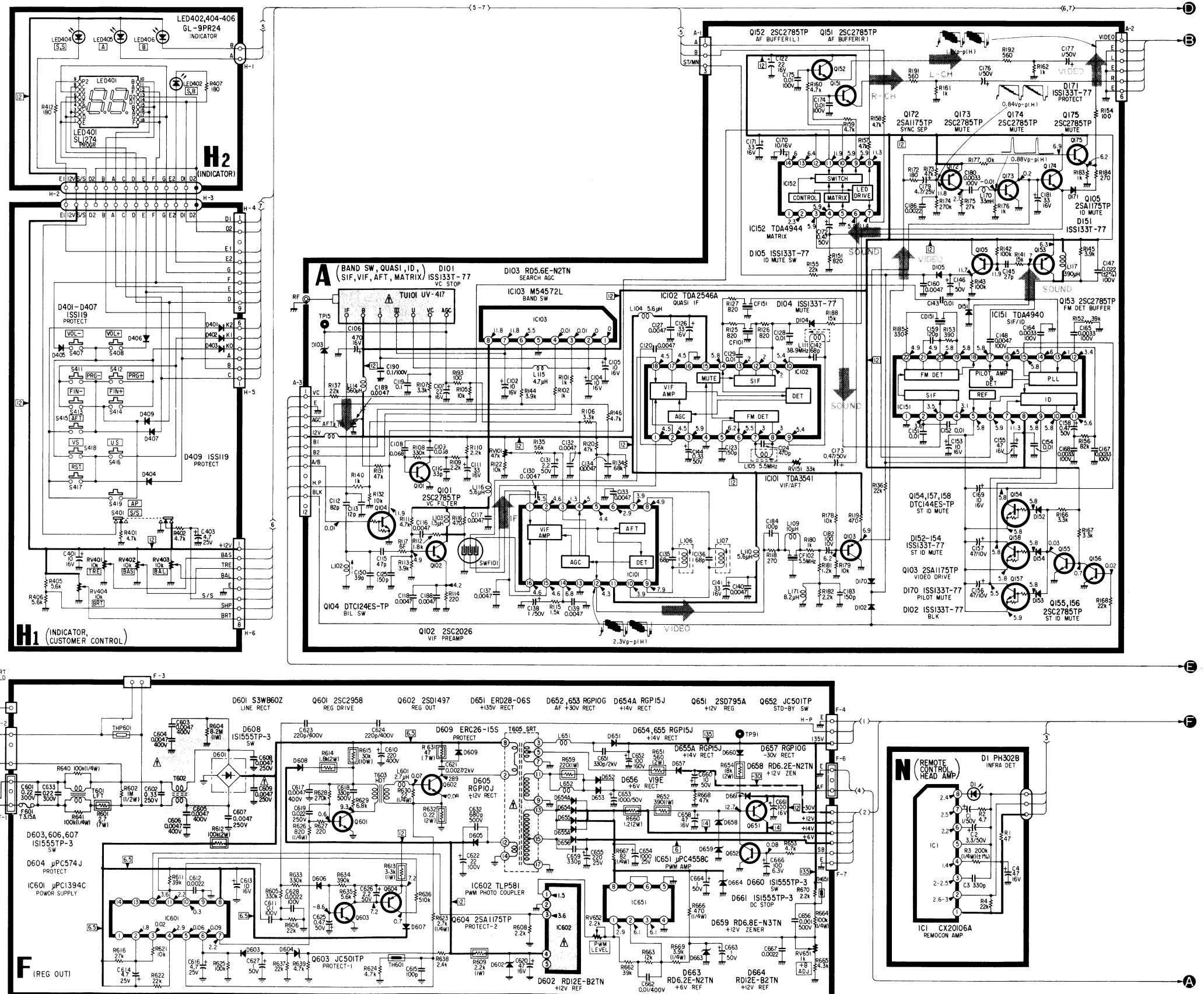
SCHEMATIC DIAGRAM



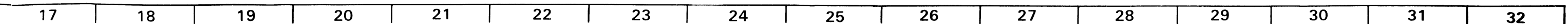
perform are for when ☐ button is

are taken with button not pressed.

ns may be noted due to normal
ances.

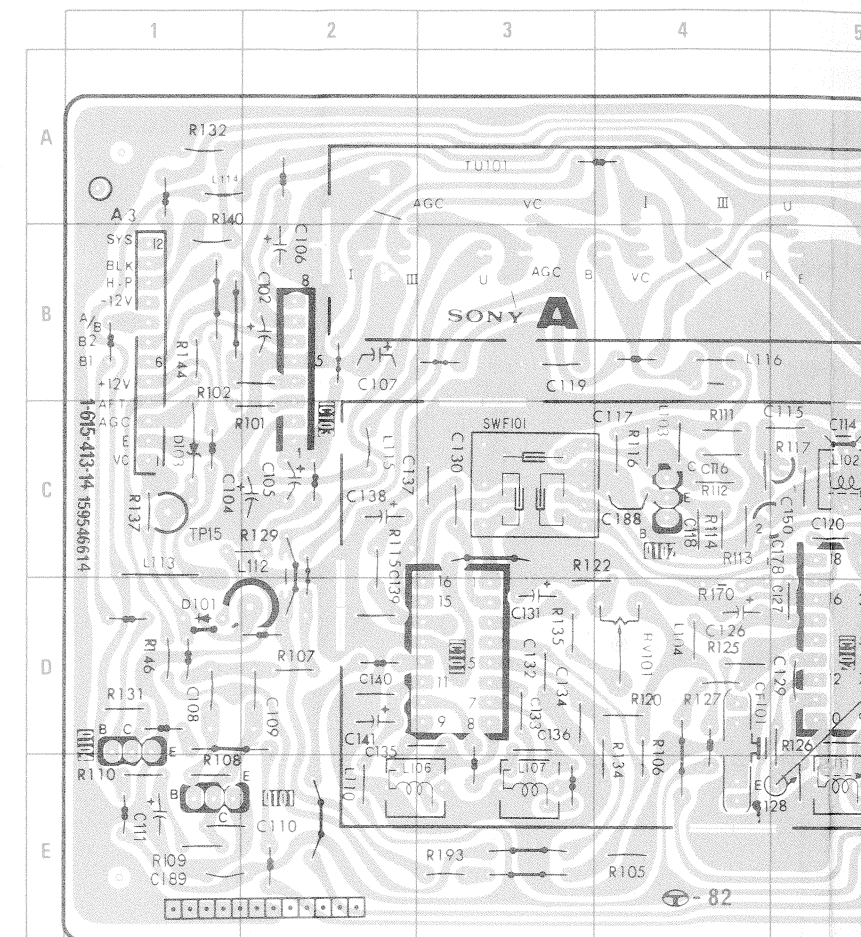






[POWER CONTROL, CHROMA PROCESS,
AUDIO CONTROL, MEMORY]

[BAND SW, QUASI, ID,
SIF, VIF, AFT, MATRIX]



L105 = E-5

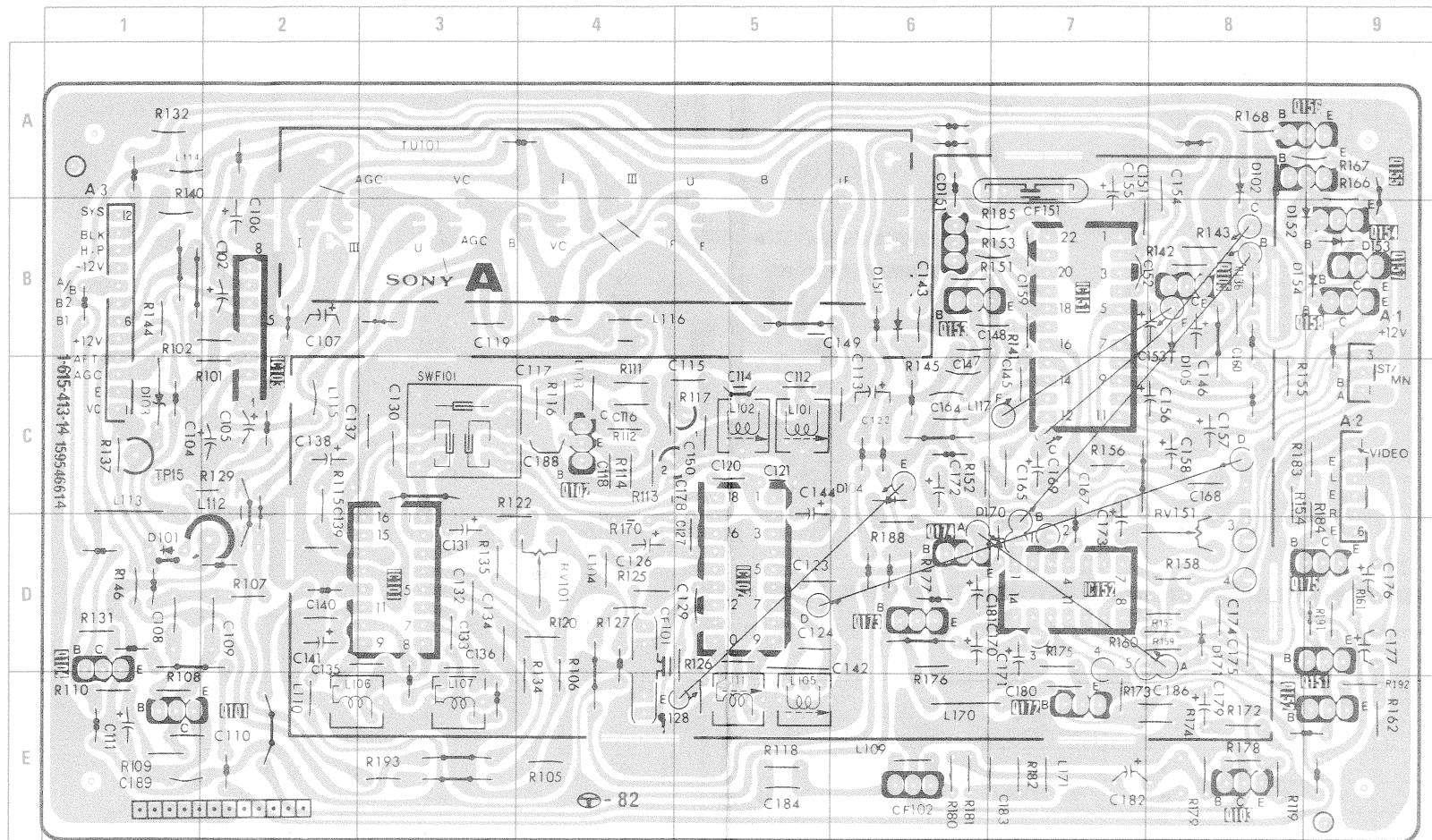
1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.



| CAPACITOR | | C291 F-14 | C810 C-3 | D501 K-6 | TRANSISTOR | | R335 D-13 | R552 J-4 |
|-----------|-----------|-----------|----------|----------|------------|-----------|-----------|----------|
| C001 E-6 | C301 C-15 | C812 G-2 | D503 G-8 | Q001 B-5 | | R047 D-6 | R336 D-13 | R553 H-3 |
| C002 Δ-0 | C302 C-15 | C813 J-4 | D504 G-8 | Q003 Δ-8 | R049 Δ-5 | R337 E-13 | R554 F-9 | |
| | C303 F-14 | C814 H-2 | D505 G-8 | | | R338 D-12 | R555 F-13 | |

| CONNECTOR | | C169 | C-7 | TRANSISTOR | | R162 | E-9 |
|-----------|-----|------|-----|------------|-----|------|-----|
| A1 | B-9 | C170 | D-7 | Q101 | E-2 | R166 | A-9 |
| A2 | C-9 | C171 | D-7 | Q102 | C-4 | R167 | A-9 |
| A3 | A-1 | C172 | C-6 | Q103 | E-8 | R168 | A-8 |
| | | C173 | D-7 | Q104 | D-1 | | |
| | | C174 | D-8 | Q105 | B-8 | R172 | E-8 |
| CAPACITOR | | C175 | D-8 | Q151 | E-9 | R173 | E-7 |
| | | C176 | D-9 | | | | |

A

[BAND SW, QUASI, ID,
SIF, VIF, AFT, MATRIX]

TU. AGC ADJUSTMENT

RV101 = D-4

1. Tune in an off-air signal.
2. Adjust RV101 so that snow noise and cross-modulation disappear from the picture.

SEPARATION ADJUSTMENT

RV151 = D-8

1. Receive a stereo signal (L-CH 1 kHz, R-CH 400 Hz).
2. Confirm the stereo indicator.
3. Confirm the output 1 kHz signal at pin (9) of IC152.
4. Adjust RV151 so that minimum 1 kHz signal at pin (10) of IC152.

SIF ADJUSTMENT

L105 = E-5

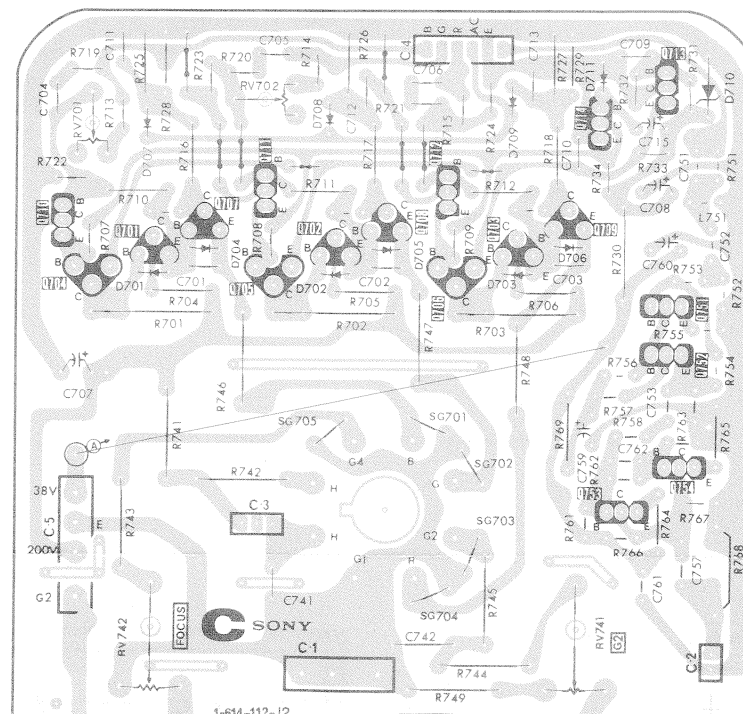
1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

A

| CONNECTOR | | C169 C-7 | TRANSISTOR | | R162 E-9 |
|-----------|-----|----------|------------|-----|----------|
| A1 | B-9 | C170 D-7 | Q101 | E-2 | R166 A-9 |
| A2 | C-9 | C171 D-7 | Q102 | C-4 | R167 A-9 |
| A3 | A-1 | C172 C-6 | Q103 | E-8 | R168 A-8 |
| | | C173 D-7 | Q104 | D-1 | |
| | | C174 D-8 | Q105 | B-8 | |
| CAPACITOR | | C175 D-8 | Q151 | E-9 | R172 E-8 |
| | | C176 D-9 | | | R173 E-7 |

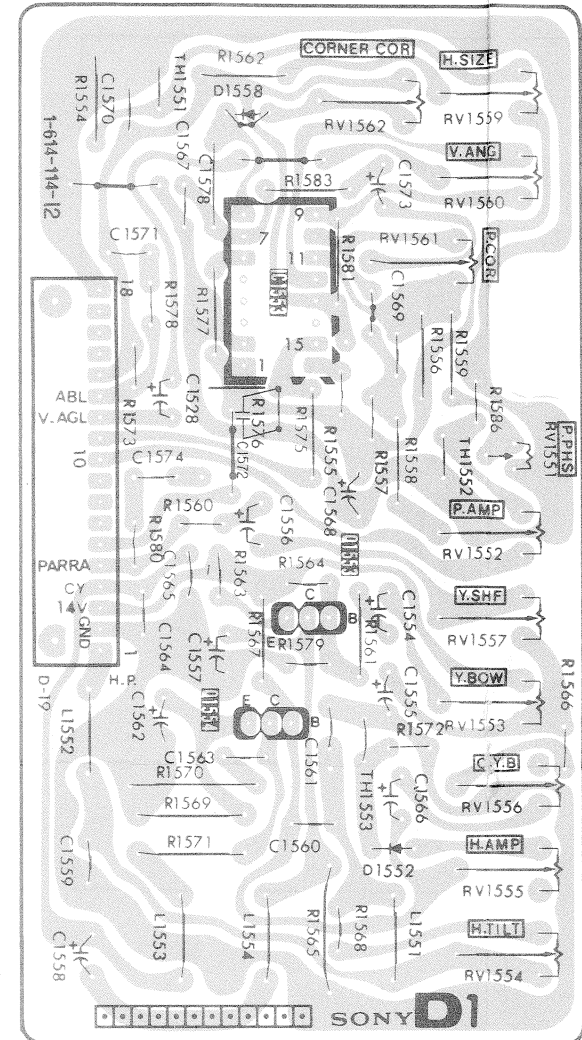
C

[R, G, B OUT]



D1

[PIN CTRL, Y BOW]



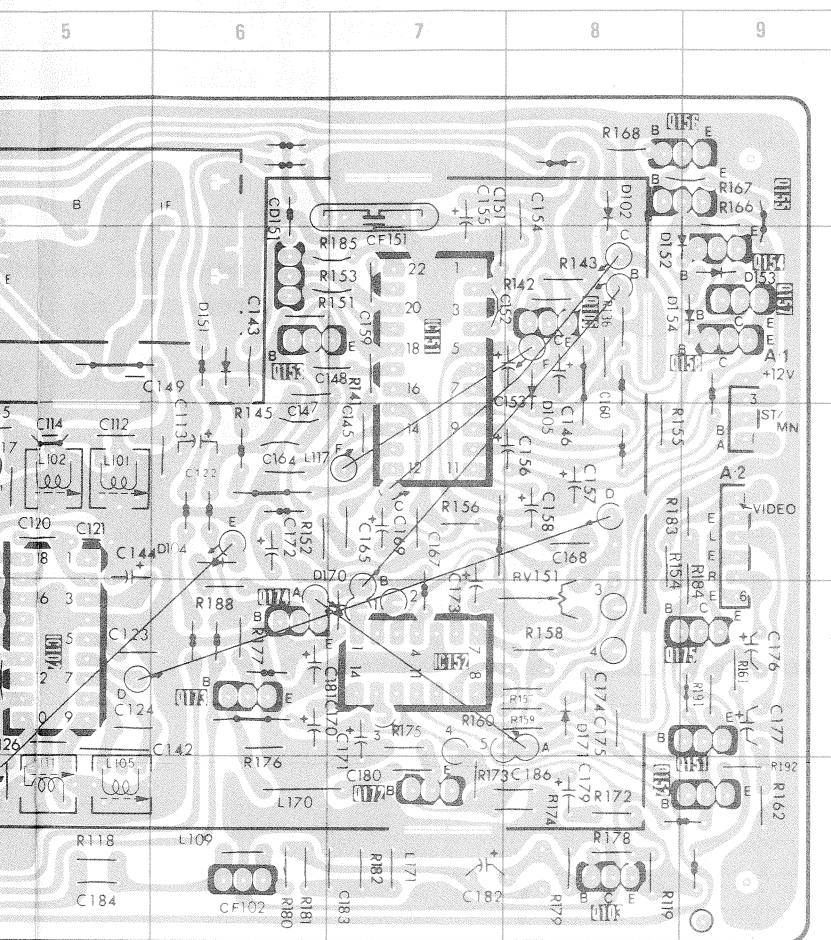
SEMICONDUCTORS

CX20061
CX20106
CX20106A
M54572L

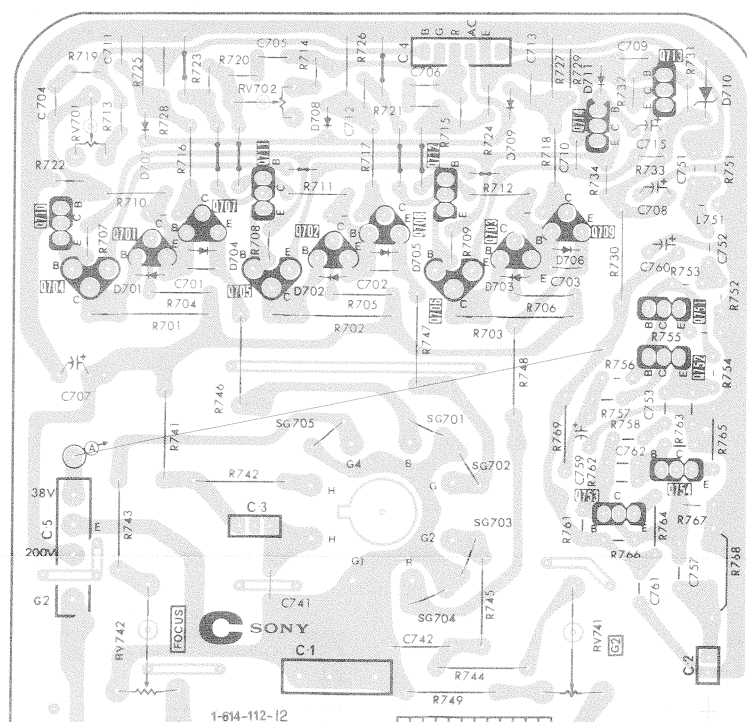
TDA1082
TDA3541

μPC4558C

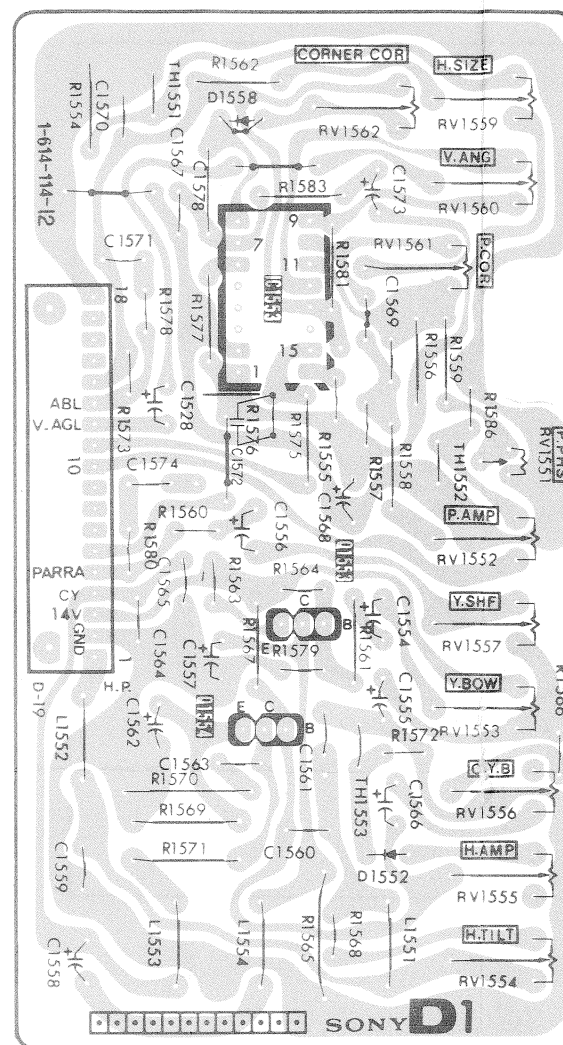
(Top view)



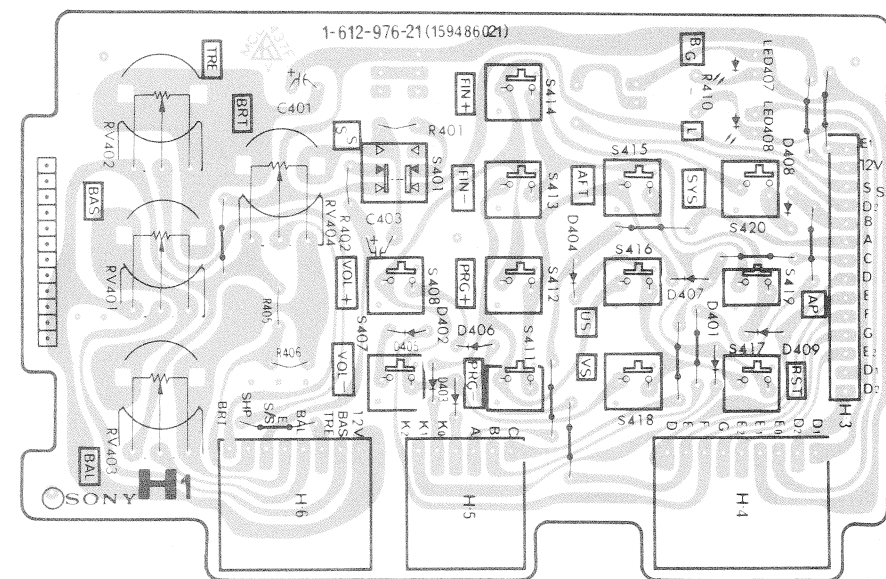
C [R, G, B OUT]



D1 [PIN CTRL, Y BOW]



H1 [INDICATOR, CUSTOMER CONTROL]



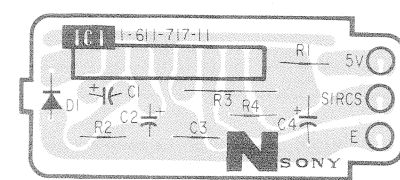
SEMICONDUCTORS

CX20061
CX20106
CX20106A
M54572L

TDA1082
TDA3541

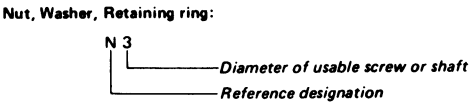
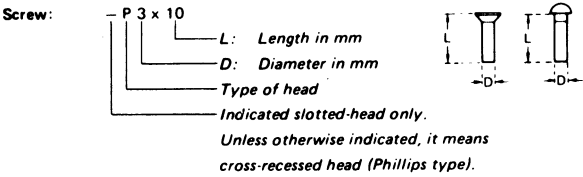
μPC4558C</

| CONNECTOR | | | | TRANSISTOR | | | |
|-----------|-----|---------------|-----|------------|-----|----------------------|-----|
| A1 | B-9 | C169 | C-7 | | | R162 | E-9 |
| A2 | C-9 | C170 | D-7 | Q101 | E-2 | R166 | A-9 |
| A3 | A-1 | C171 | D-6 | Q102 | C-4 | R167 | A-9 |
| | | C172 | C-6 | Q103 | C-8 | R168 | A-8 |
| | | C173 | D-7 | Q104 | D-1 | | |
| | | C174 | D-8 | Q105 | B-8 | | |
| | | C175 | D-8 | Q151 | E-9 | R172 | E-8 |
| | | C176 | D-9 | Q152 | E-8 | R173 | E-7 |
| | | C177 | D-9 | Q153 | B-6 | R174 | E-8 |
| | | C179 | E-8 | Q154 | B-9 | R175 | D-7 |
| | | | | Q155 | A-9 | R176 | D-6 |
| | | | | | | R177 | D-6 |
| | | C180 | E-7 | | | R178 | E-8 |
| | | C181 | D-7 | Q156 | A-8 | R179 | E-8 |
| | | C182 | E-7 | Q157 | B-9 | R180 | E-6 |
| | | C183 | E-7 | Q158 | B-9 | R181 | E-6 |
| | | C184 | E-5 | Q172 | E-7 | | |
| | | C186 | E-8 | Q173 | D-6 | R182 | E-7 |
| | | C188 | C-4 | Q174 | D-6 | R183 | C-8 |
| | | C189 | E-1 | Q175 | D-9 | R184 | C-8 |
| | | | | | | R185 | B-7 |
| C113 | C-6 | DISCRIMINATOR | | RESISTOR | | R188 | D-6 |
| C115 | C-5 | | | | | R191 | D-9 |
| C116 | C-4 | CD151 | A-6 | R101 | C-2 | VARIABLE RESISTOR | |
| C117 | C-4 | | | R102 | B-1 | | |
| C118 | C-4 | FILTER | | R105 | E-4 | | |
| C119 | B-3 | | | CF101 | D-4 | R106 | E-4 |
| C120 | C-5 | CF102 | E-6 | R107 | D-2 | RV101 | D-4 |
| C122 | C-6 | CF151 | B-7 | R108 | E-1 | RV151 | D-8 |
| | | | | R109 | E-1 | | |
| | | DIODE | | R110 | E-1 | FILTER | |
| | | | | R111 | C-4 | | |
| C123 | D-5 | | | R112 | C-4 | | |
| C124 | D-5 | D102 | A-8 | R113 | C-4 | SWF101 C-3 | |
| C126 | D-4 | D103 | C-1 | R114 | C-4 | | |
| C127 | D-5 | D104 | C-6 | R115 | C-2 | TEST POINT | |
| C128 | D-5 | D105 | C-8 | R116 | C-4 | | |
| C129 | D-5 | D151 | B-6 | R117 | C-5 | TP15 | C-1 |
| C130 | C-3 | D152 | B-8 | R118 | E-5 | TUNER | |
| C131 | D-3 | D153 | B-9 | R119 | E-8 | | |
| C132 | D-3 | D154 | B-8 | R120 | D-4 | | |
| C133 | D-3 | D170 | C-7 | R122 | C-3 | | |
| | | D171 | D-8 | R125 | D-4 | | |
| C134 | D-3 | IC | | R126 | D-5 | TU101 A-3 | |
| C135 | D-2 | | | R127 | D-4 | | |
| C136 | D-3 | IC101 | D-3 | R131 | D-1 | | |
| C137 | C-2 | IC102 | D-5 | R132 | A-4 | | |
| C138 | C-2 | IC103 | C-2 | R134 | E-1 | | |
| C139 | D-2 | IC151 | B-7 | R135 | D-3 | | |
| C140 | D-2 | IC152 | D-7 | R136 | B-8 | | |
| C141 | D-2 | COIL | | R137 | C-1 | | |
| C142 | D-6 | | | R140 | A-1 | | |
| C143 | B-6 | | | R141 | B-7 | | |
| C144 | C-5 | L102 | C-5 | R142 | B-8 | | |
| C145 | C-7 | L103 | C-4 | R143 | B-8 | | |
| C146 | C-8 | L104 | D-4 | R144 | B-1 | | |
| C147 | C-6 | L105 | E-5 | R145 | C-6 | | |
| C148 | B-7 | L106 | E-3 | R146 | D-1 | | |
| C150 | D-5 | L107 | E-3 | R151 | B-7 | | |
| C151 | A-7 | L109 | E-6 | R152 | C-6 | | |
| C152 | B-7 | L110 | E-2 | R153 | B-7 | | |
| C153 | B-8 | L111 | E-5 | R154 | C-8 | | |
| | | | | R155 | C-8 | | |
| C154 | A-8 | | | | | | |
| C155 | A-7 | L113 | C-1 | R156 | C-7 | | |
| C156 | C-8 | L115 | C-2 | R157 | D-8 | | |
| C157 | C-8 | L116 | B-4 | R158 | D-8 | | |
| C158 | C-8 | L117 | C-6 | R159 | D-8 | | |
| C159 | B-7 | L170 | E-6 | R160 | D-7 | | |
| C160 | B-8 | L171 | E-7 | R161 | D-9 | | |





HARDWARE NOMENCLATURE



| Reference Designation | Shape | Description | Remarks |
|-----------------------|-------|---|--|
| SCREWS | | | |
| P | | pan-head screw | binding-head (B) screw for replacement |
| PWH | | pan-head screw with washer face | binding-head (B) screw and flat washer for replacement |
| PS PSP | | pan-head screw with spring washer | binding-head (B) screw and spring washer for replacement |
| PSW PSPW | | pan-head screw with spring and flat washers | binding-head (B) screw and spring and flat washers for replacement |
| R | | round-head screw | binding-head (B) screw for replacement |
| K | | flat-countersunk-head screw | |
| RK | | oval-countersunk-head screw | |
| B | | binding-head screw | |
| T | | truss-head screw | binding-head (B) screw for replacement |
| F | | flat-fillister-head screw | |
| RF | | fillister-head screw | |
| BV | | braizer-head screw | |

| Reference Designation | Shape | Description | Remarks |
|-----------------------|-------|--|---|
| SELF-TAPPING SCREWS | | | |
| TA | | self-tapping screw | ex: TA, P 3 x 10 |
| PTP | | pan-head self-tapping screw | binding-head self-tapping (TA, B) screw for replacement |
| PTPWH | | pan-head self-tapping screw with washer face | binding-head self-tapping (TA, B) screw and flat washer for replacement |
| PTTWH | | pan-head thread-rolling screw with washer face | binding-head (B) screw and flat washer for replacement |
| SET SCREWS | | | |
| SC | | set screw | |
| SC | | hexagon-socket set screw | ex: SC 2.6 x 4, hexagon socket |
| NUT | | | |
| N | | nut | |
| WASHERS | | | |
| W | | flat washer | |
| SW | | spring washer | |
| LW | | internal-tooth lock washer | ex: LW3, internal |
| LW | | external-tooth lock washer | ex: LW3, external |
| RETAINING RINGS | | | |
| E | | retaining ring | |
| G | | grip-type retaining ring | |